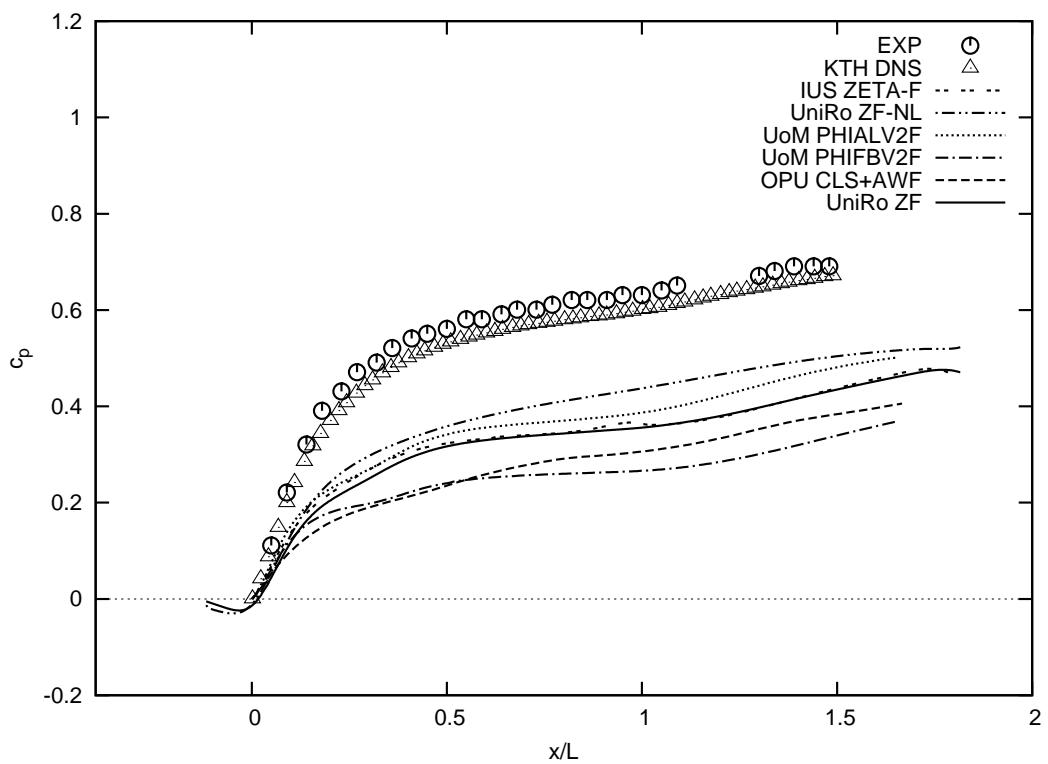


CASE 13.2-1
Flow in 3-D diffuser 1
Nonlinear and Elliptic-Relaxation-Based
Eddy-Viscosity Models

Flow in 3-D diffuser 1: EREVM

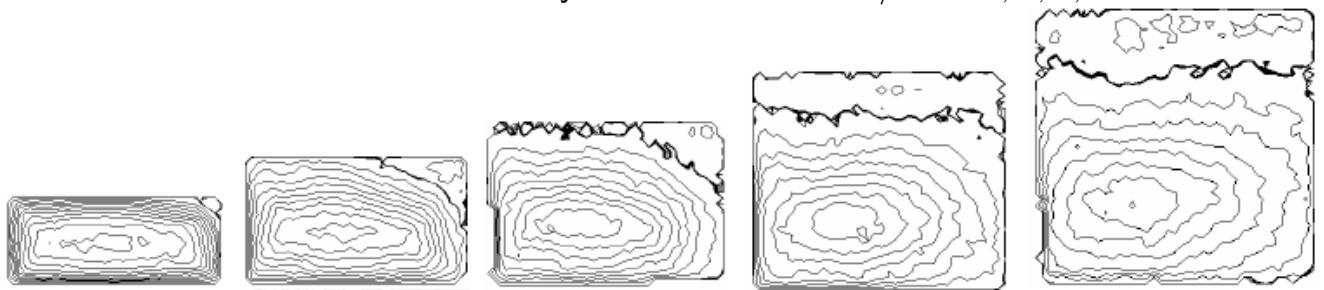
pressure coefficient c_p

lower wall, central plane ($z/B=1/2$)

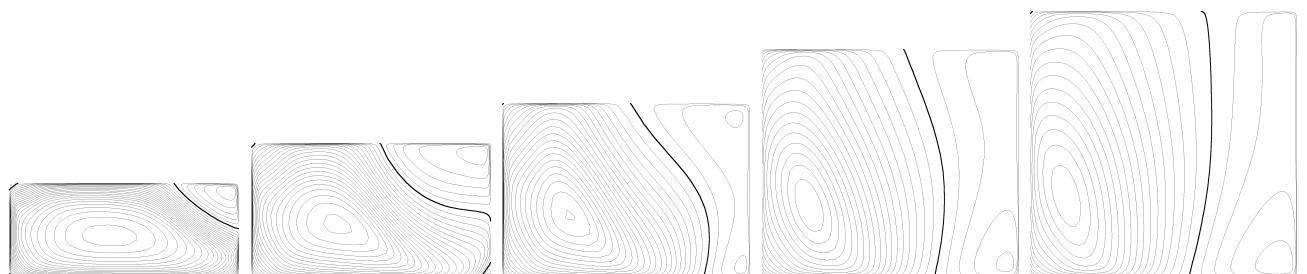


Flow in 3-D diffuser 1: **EREVM**

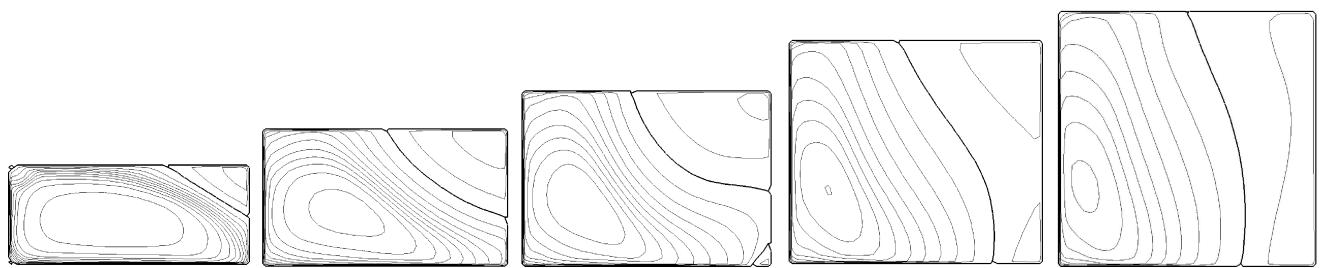
Contours of streamwise velocity at cross-sections $x/H = 2, 5, 8, 12$ and 15



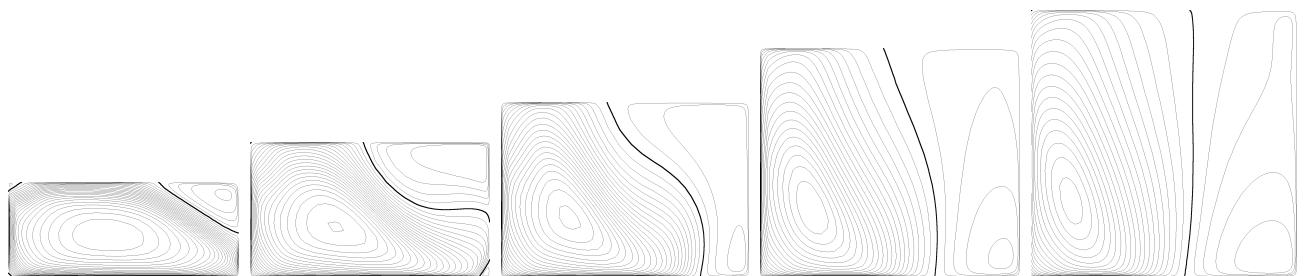
Experiment



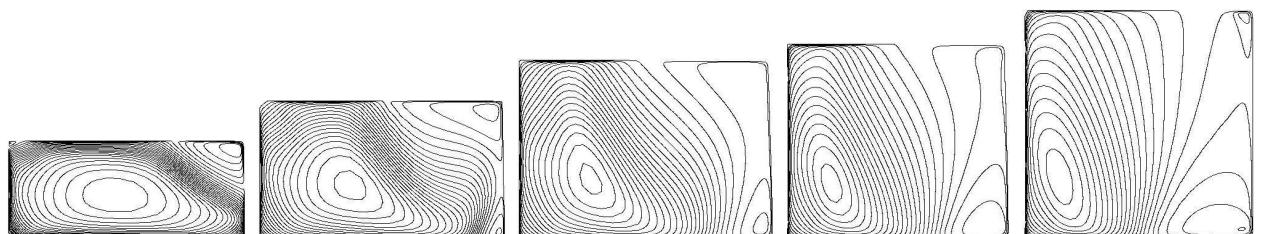
UoM PHIALV2F



UniOs CLS+AWF



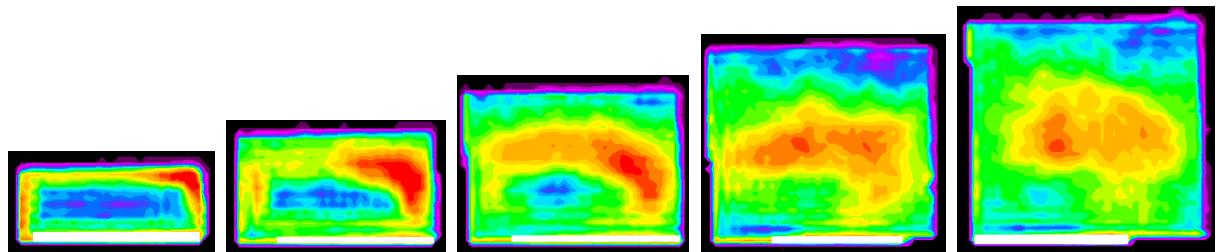
UoM PHIFBV2F



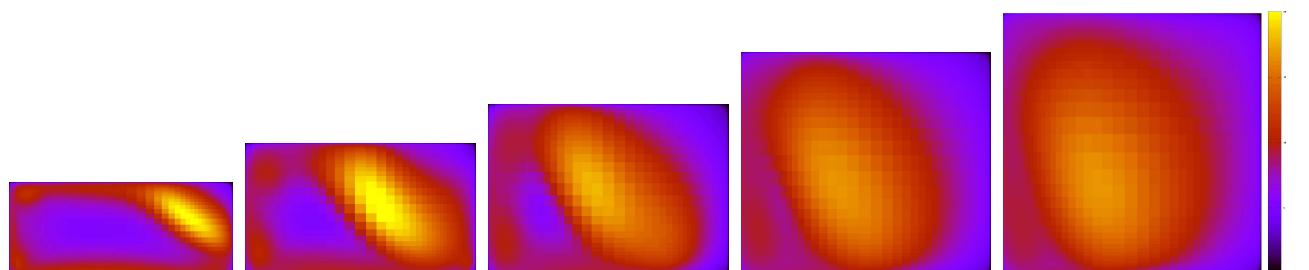
IUS ZETA-F

Flow in 3-D diffuser 1: **EREVM**

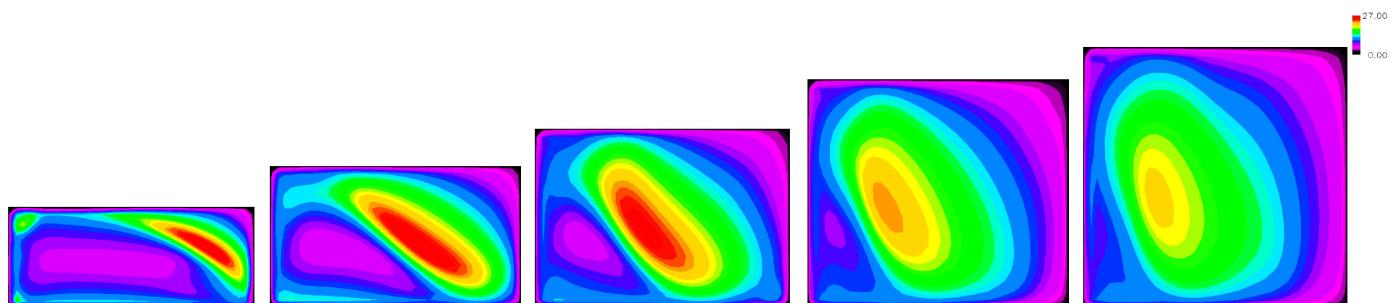
Contours of $u_{rms}/U_b * 100$ at cross-sections $x/H = 2, 5, 8, 12$ and 15



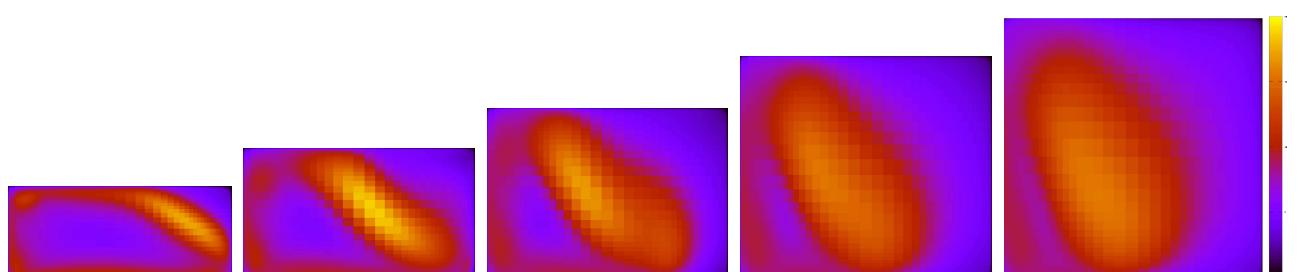
Experiment



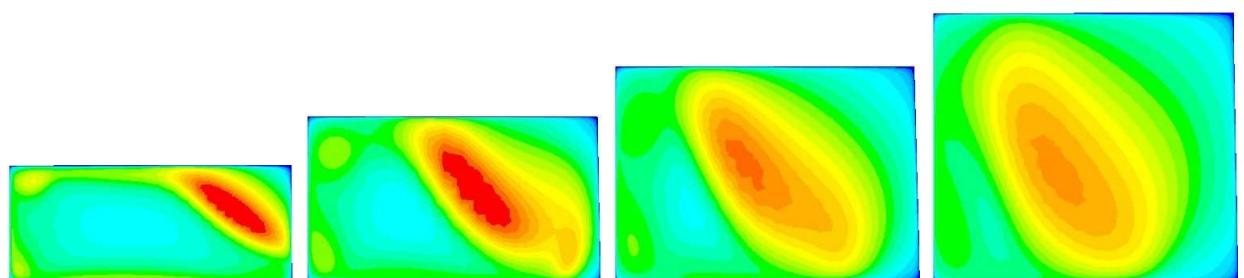
UoM PHIALV2F



UniOs CLS+AWF

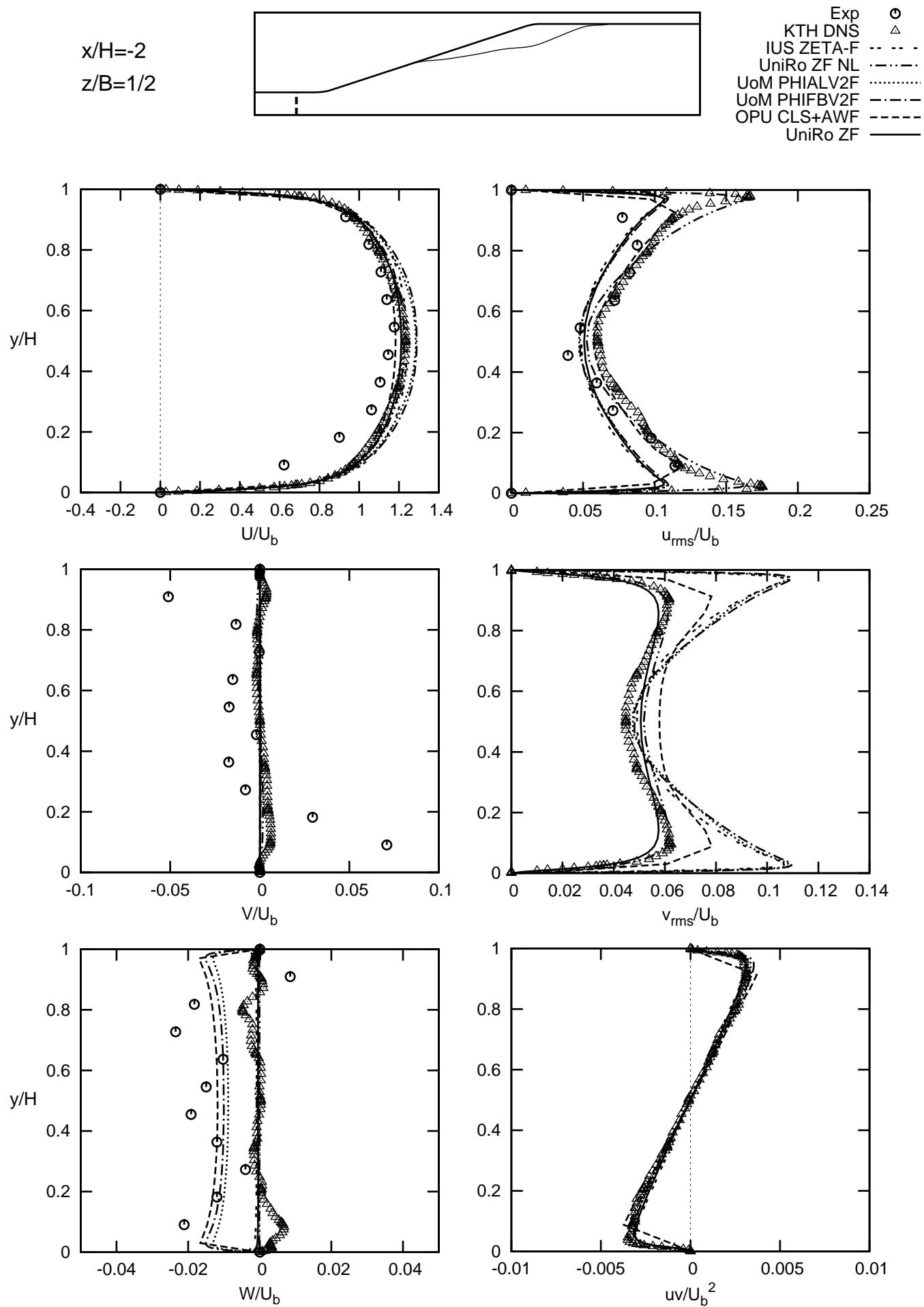


UoM PHIFBV2F

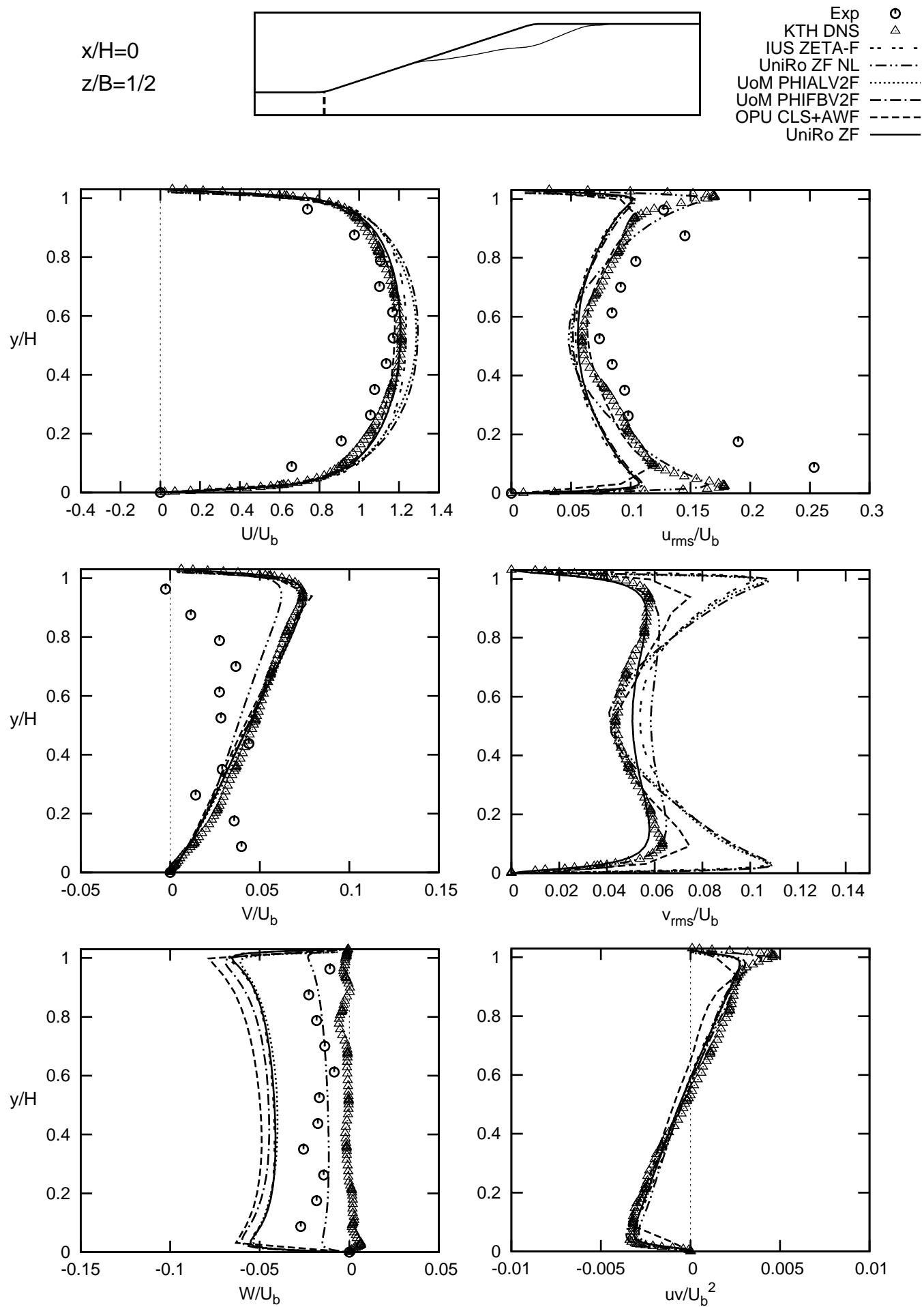


IUS ZETA-F

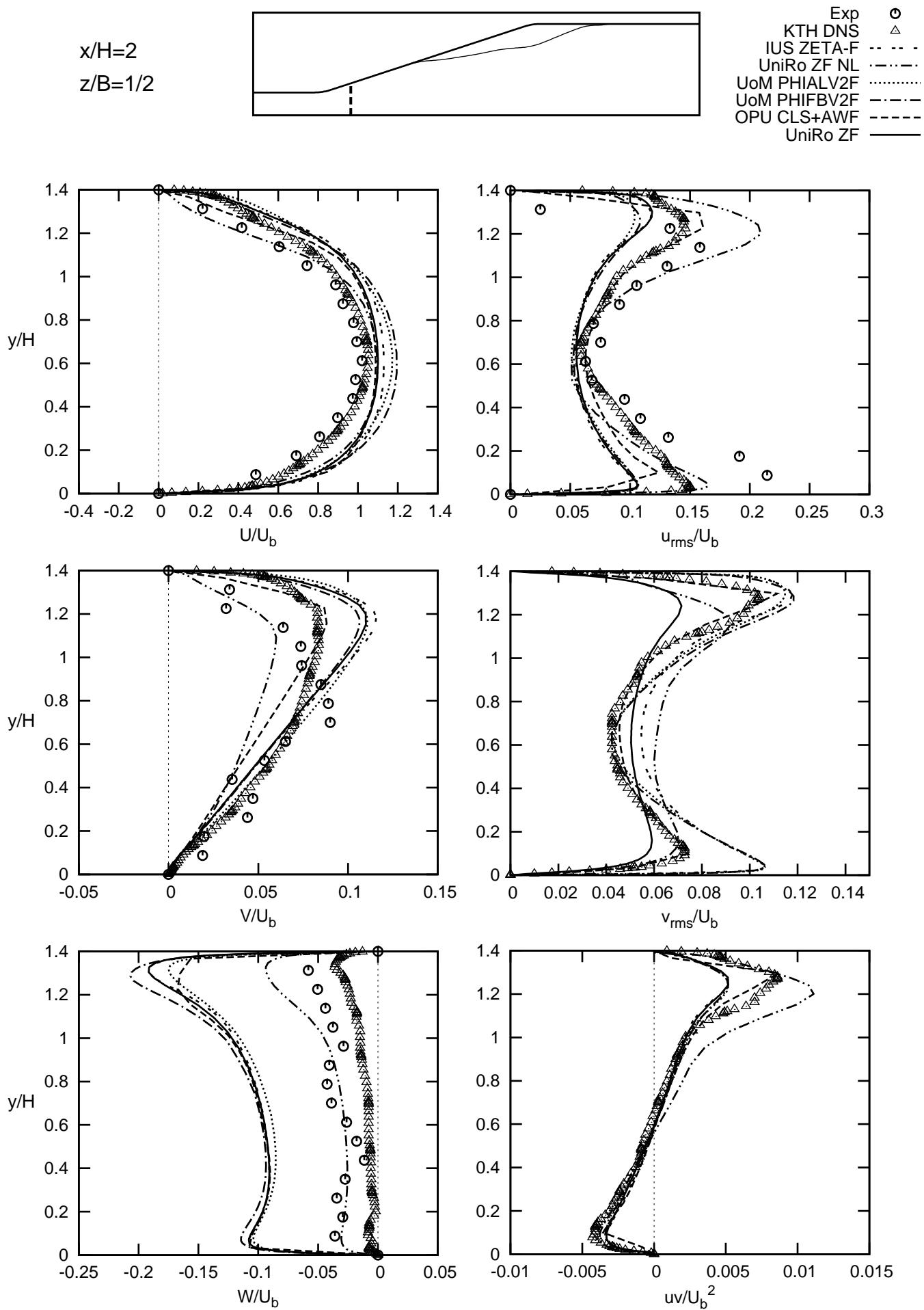
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



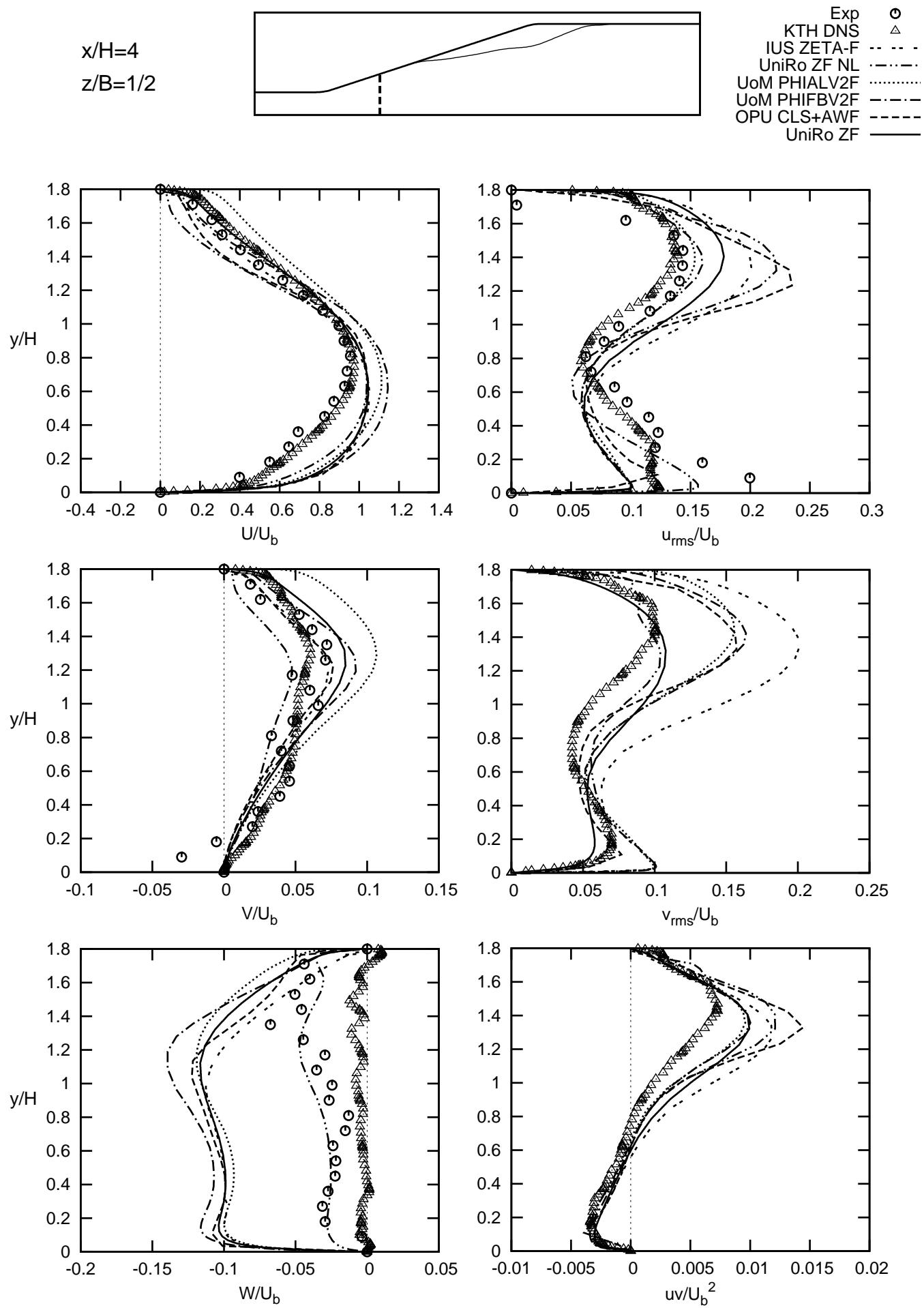
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



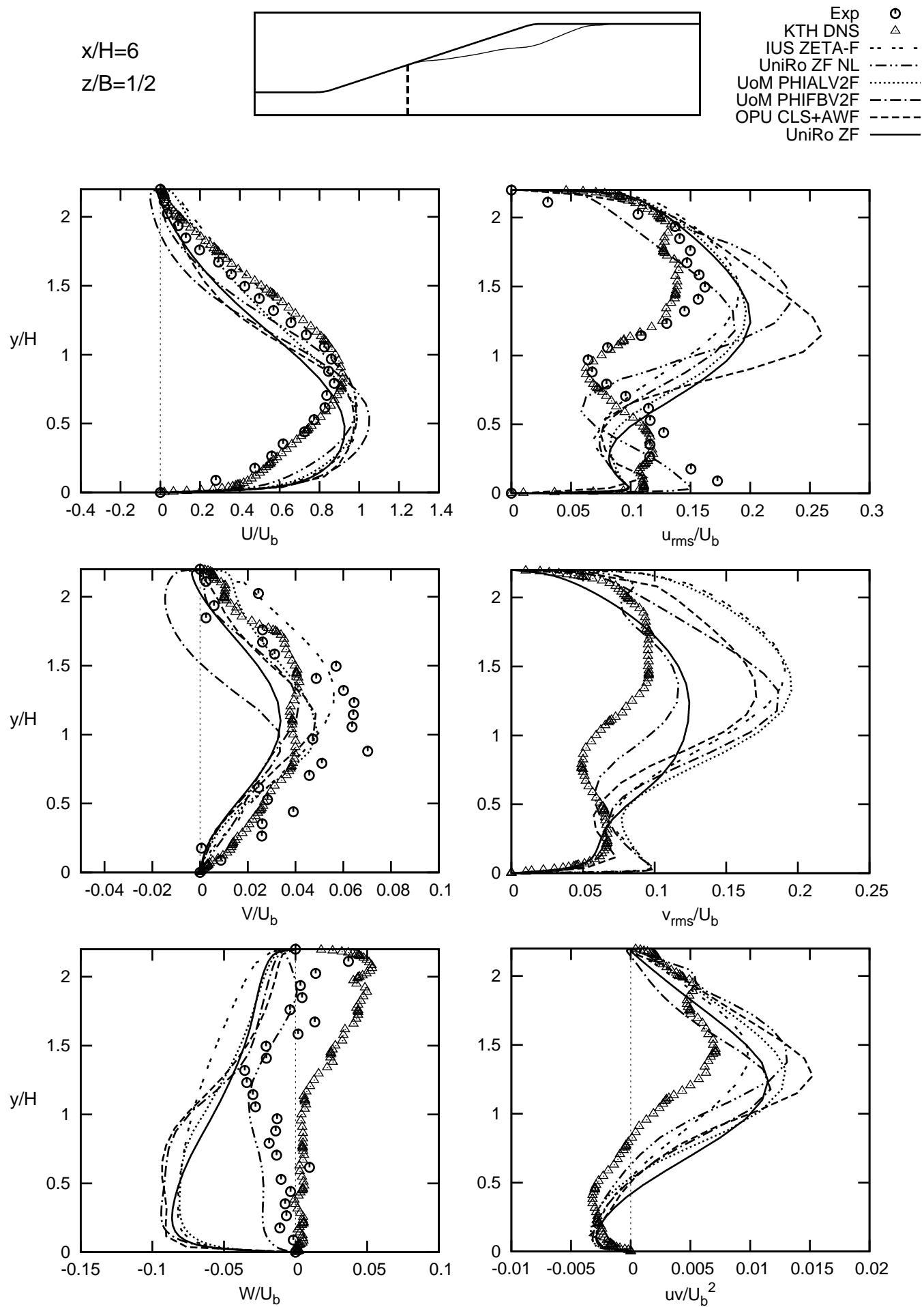
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



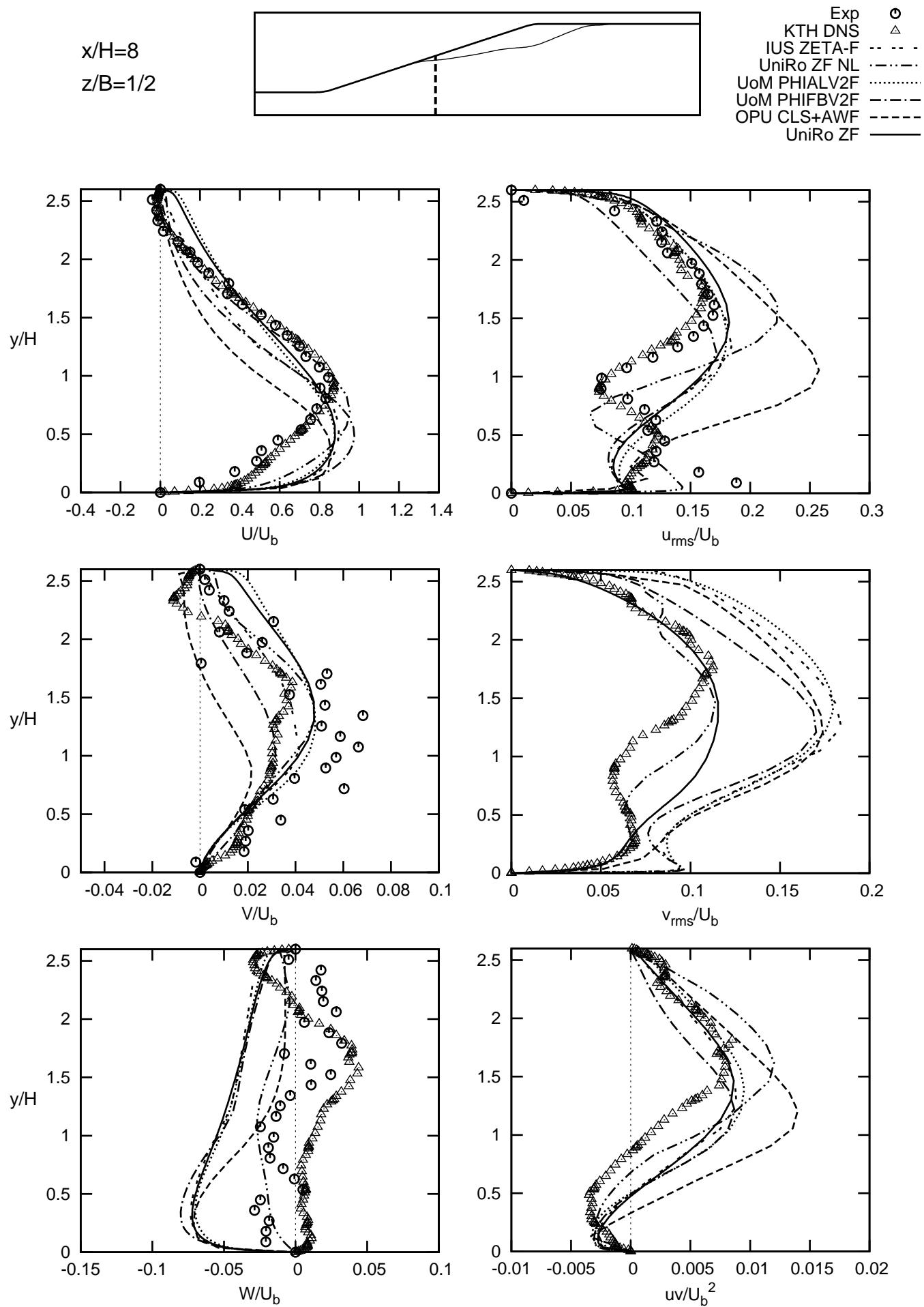
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



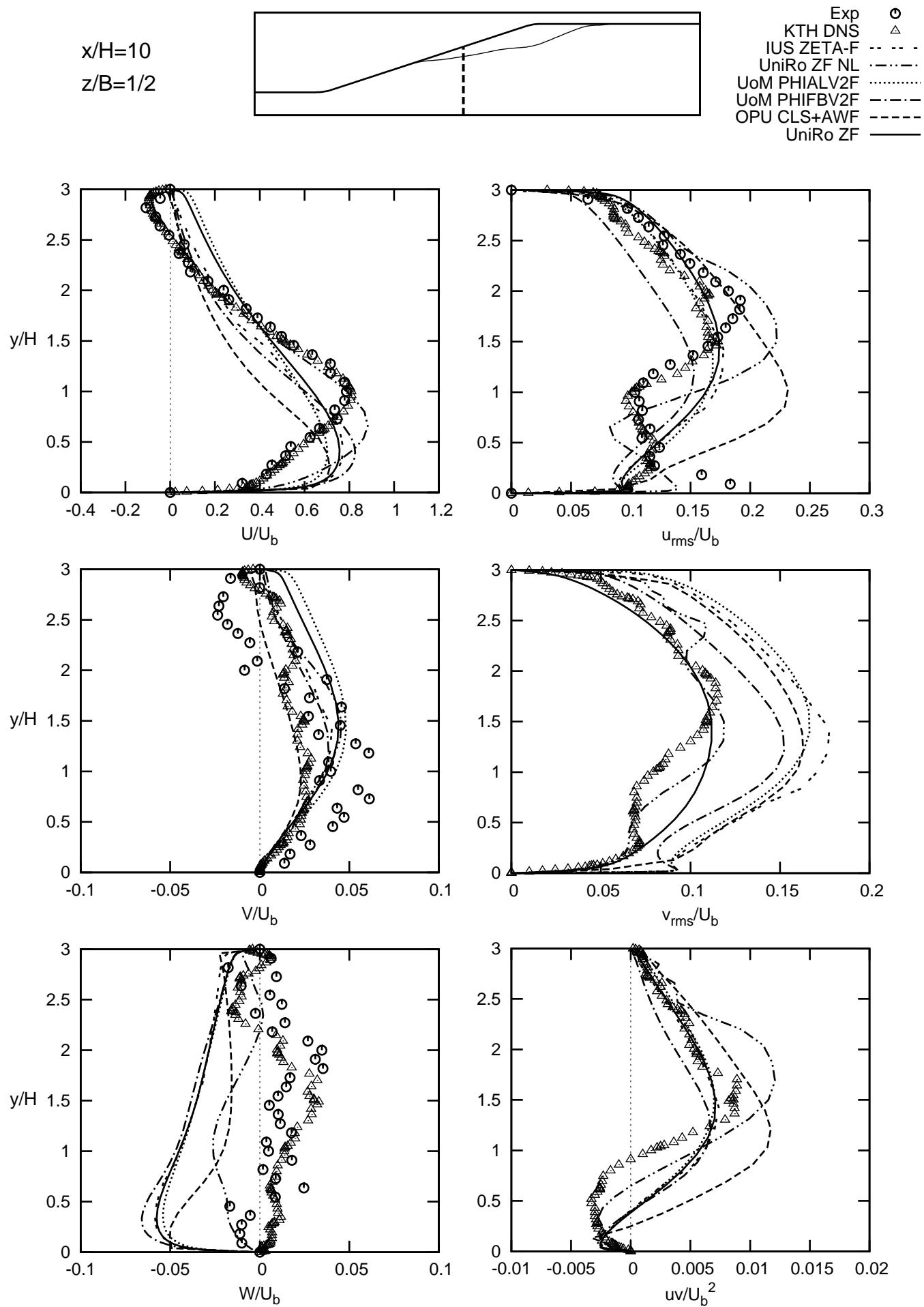
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



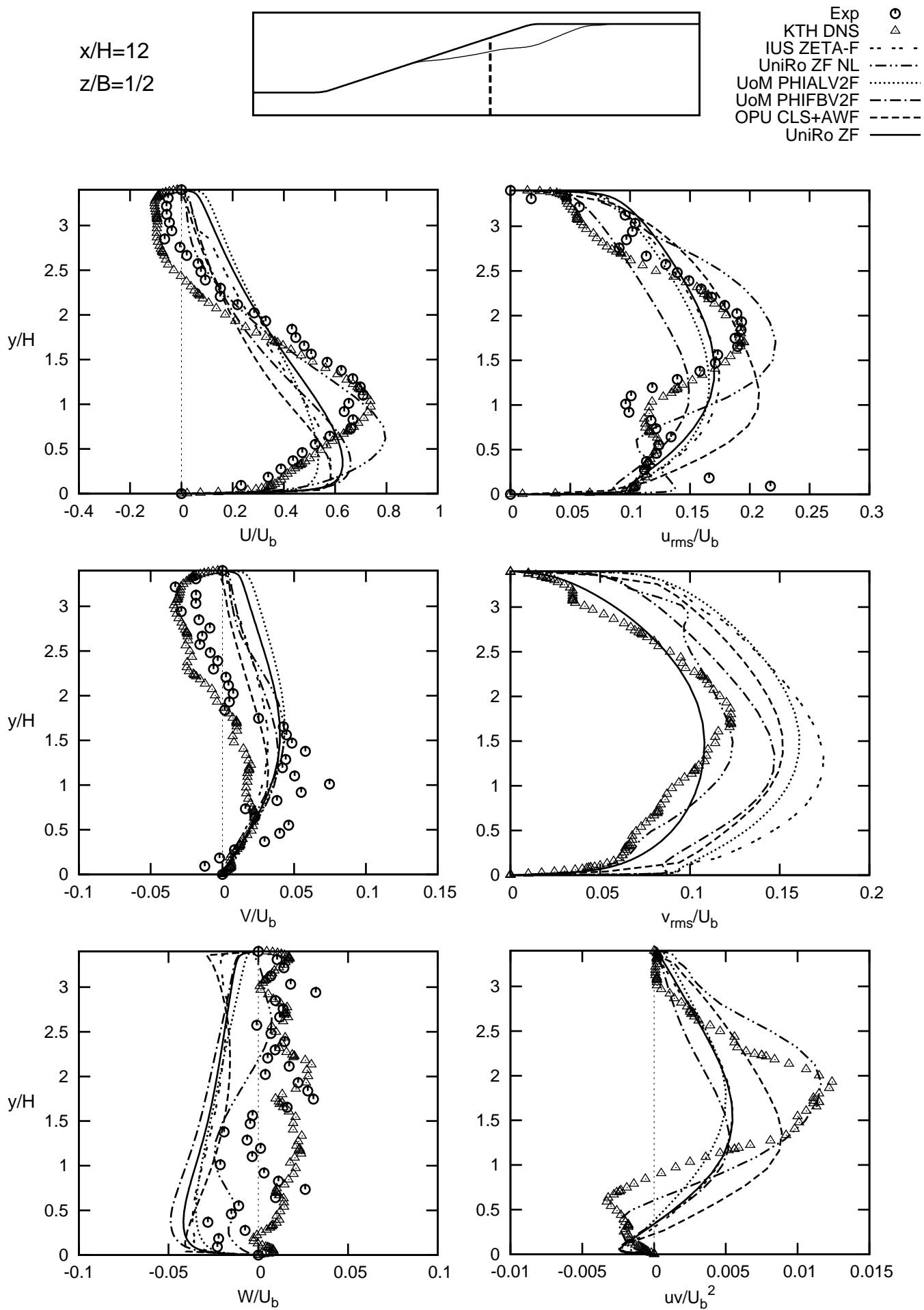
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



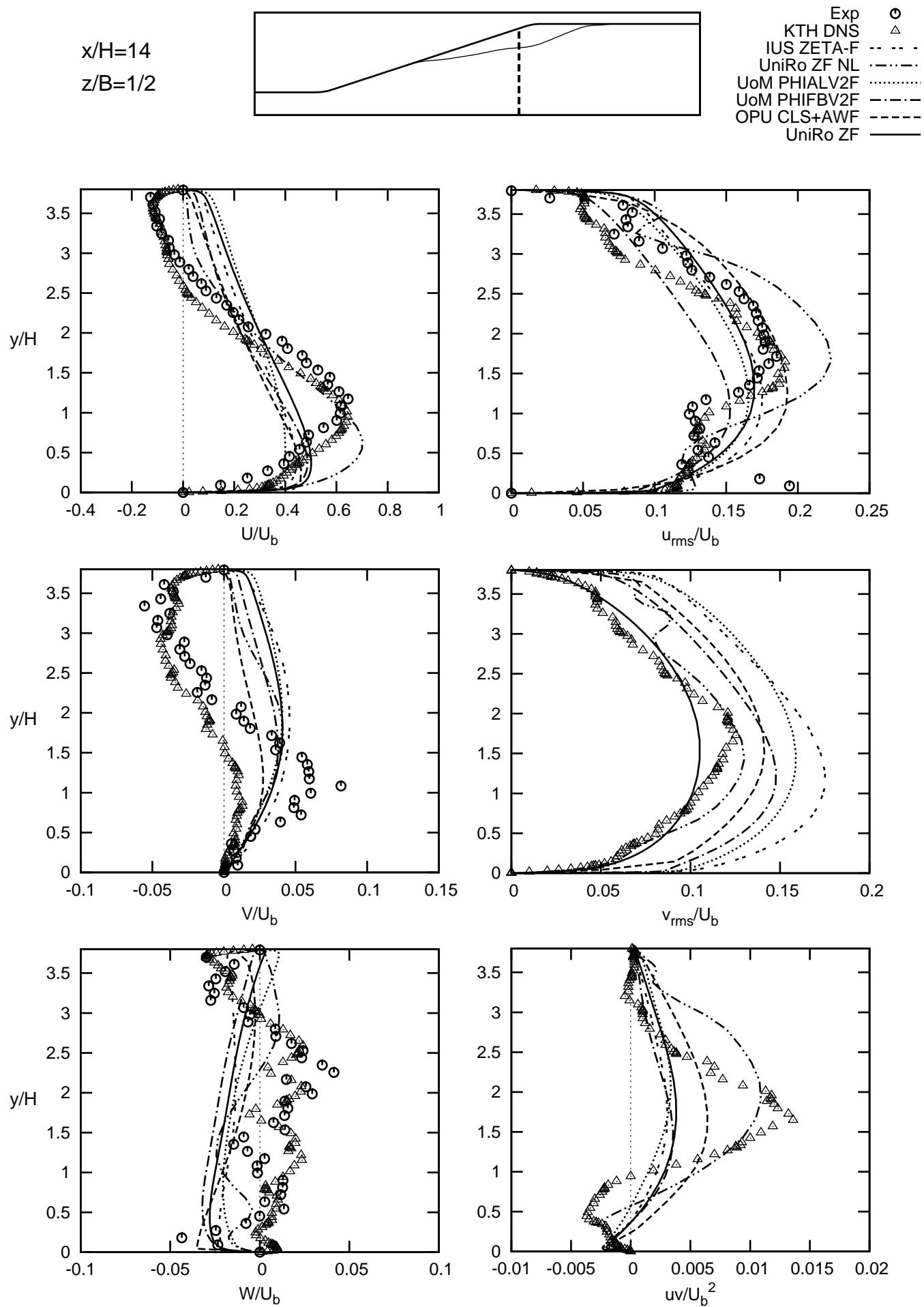
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



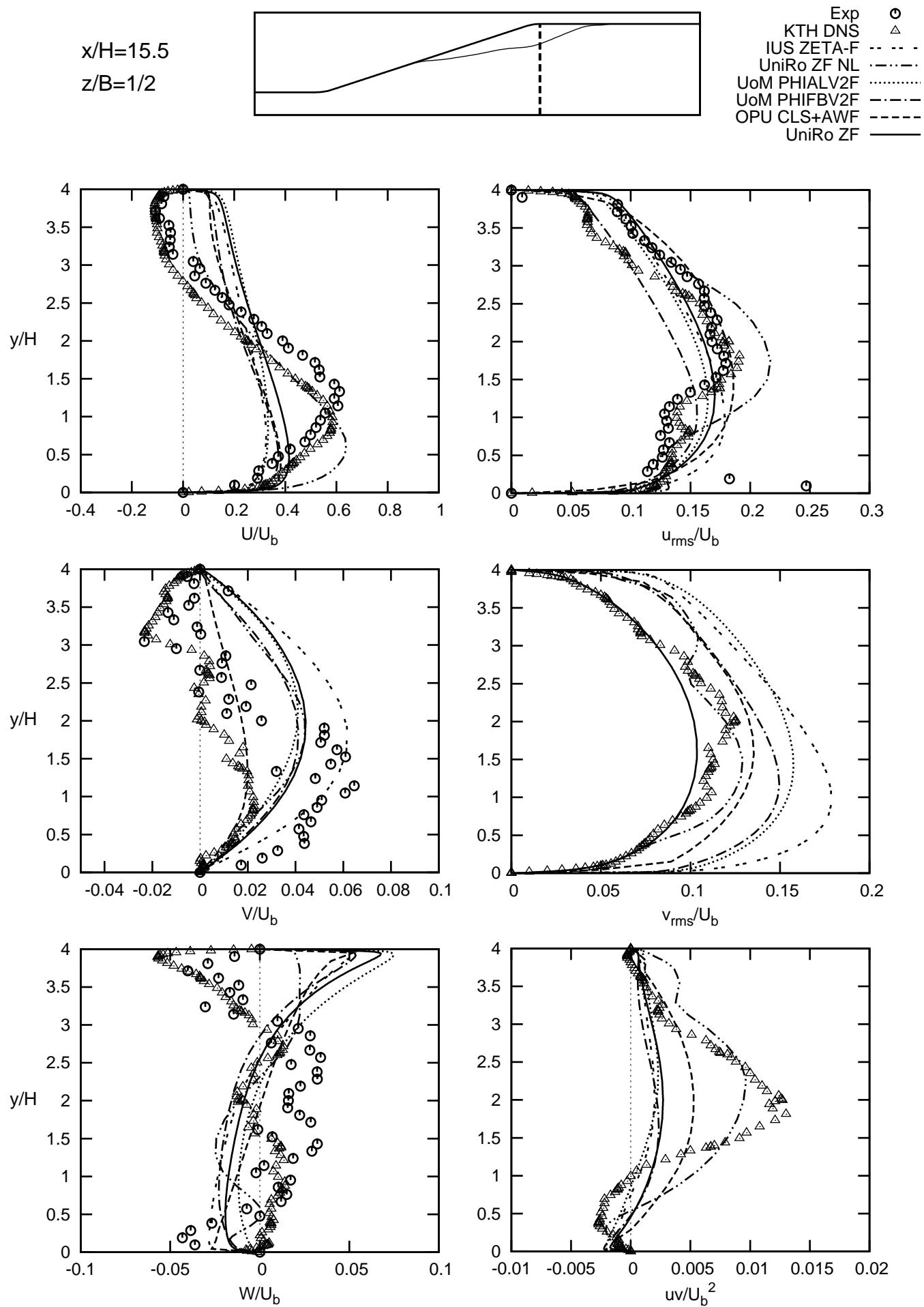
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



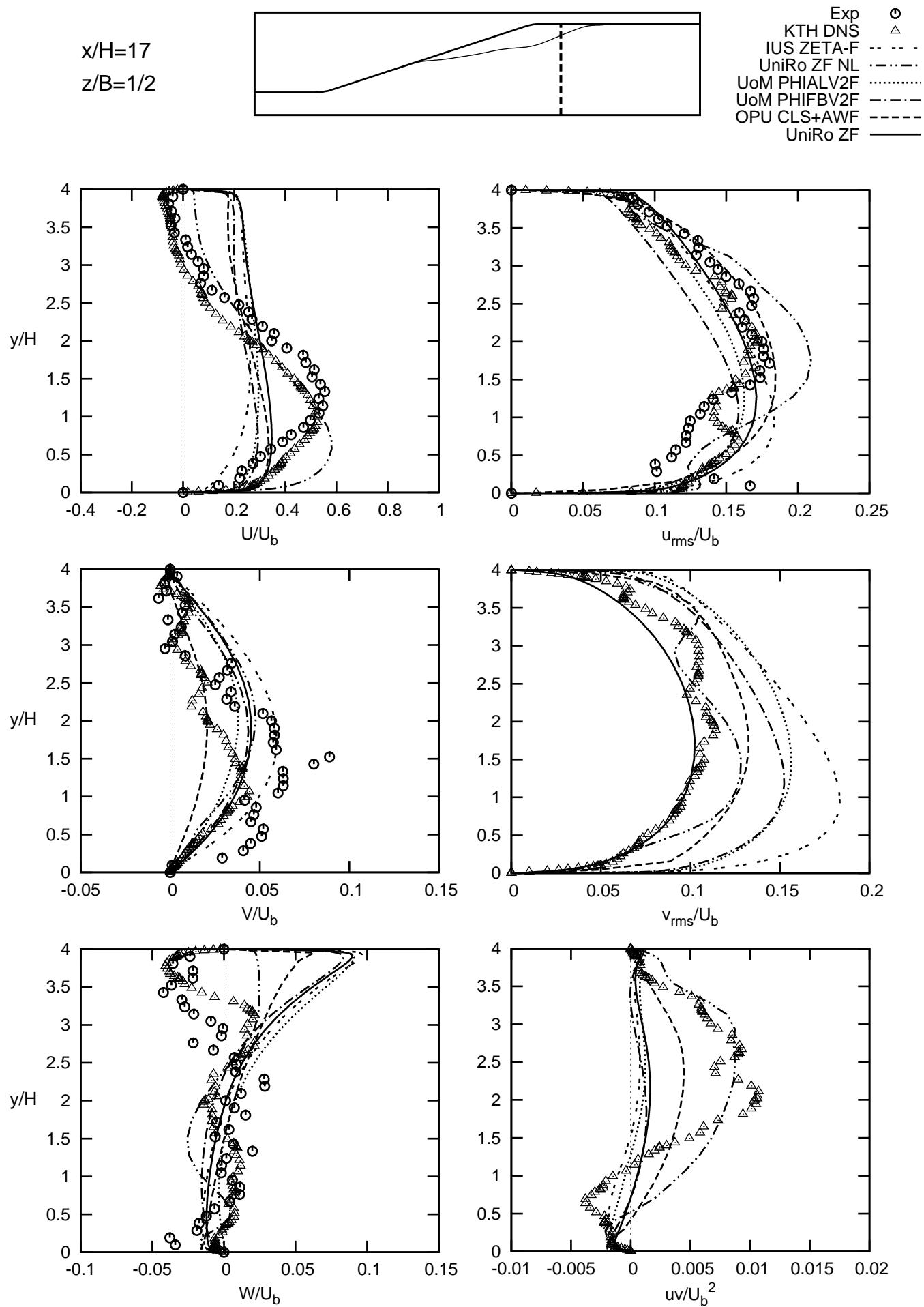
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



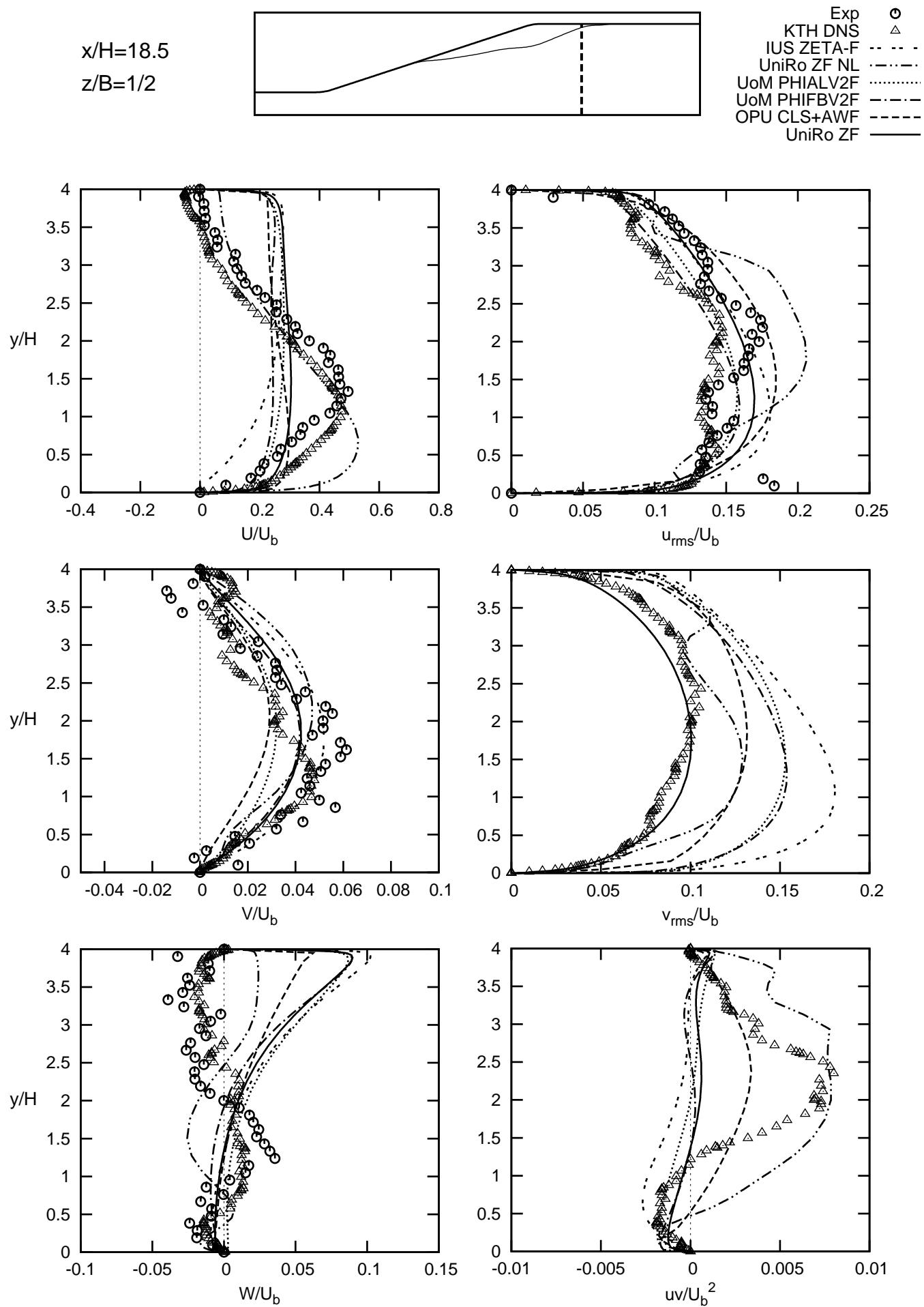
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



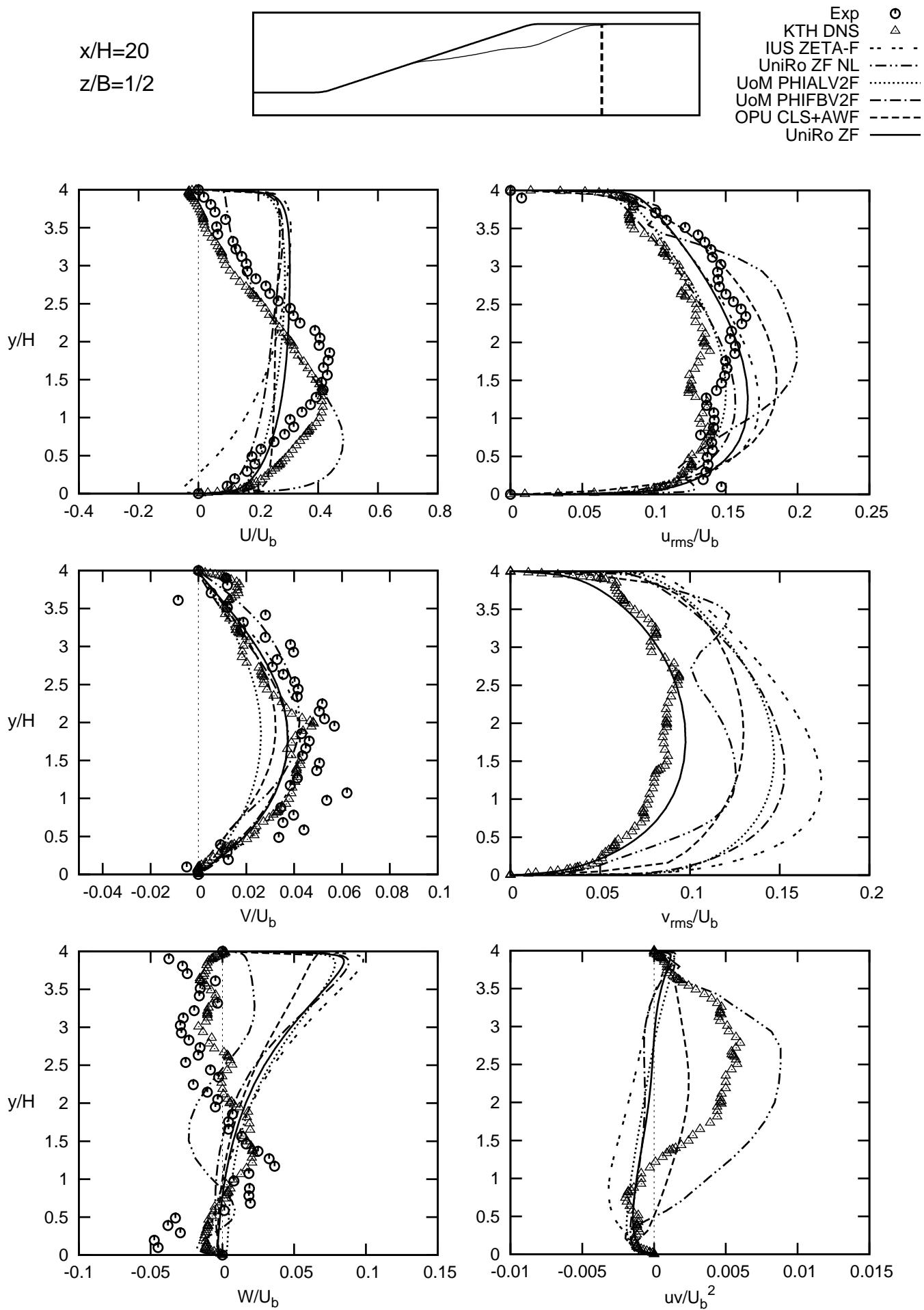
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



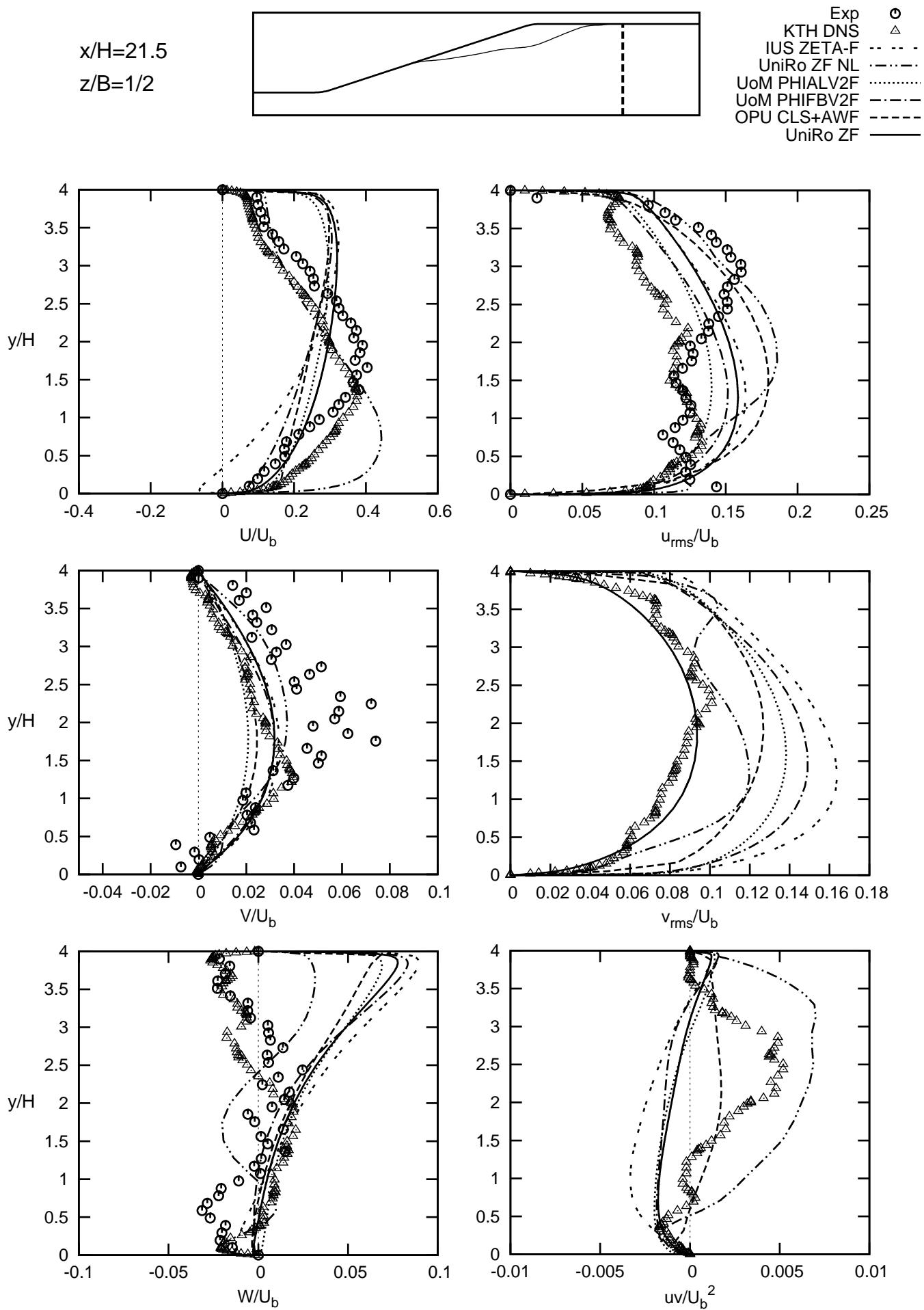
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



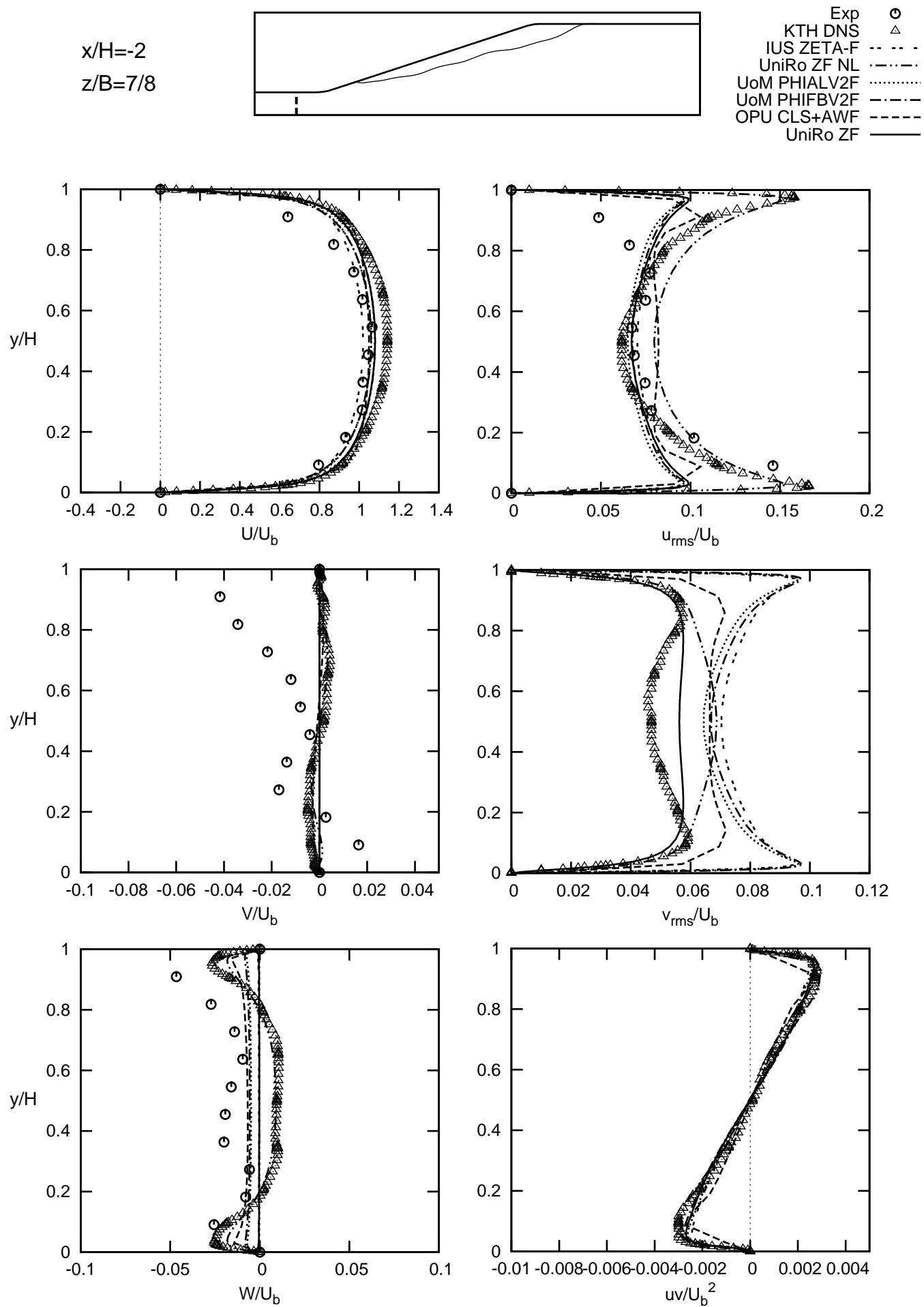
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



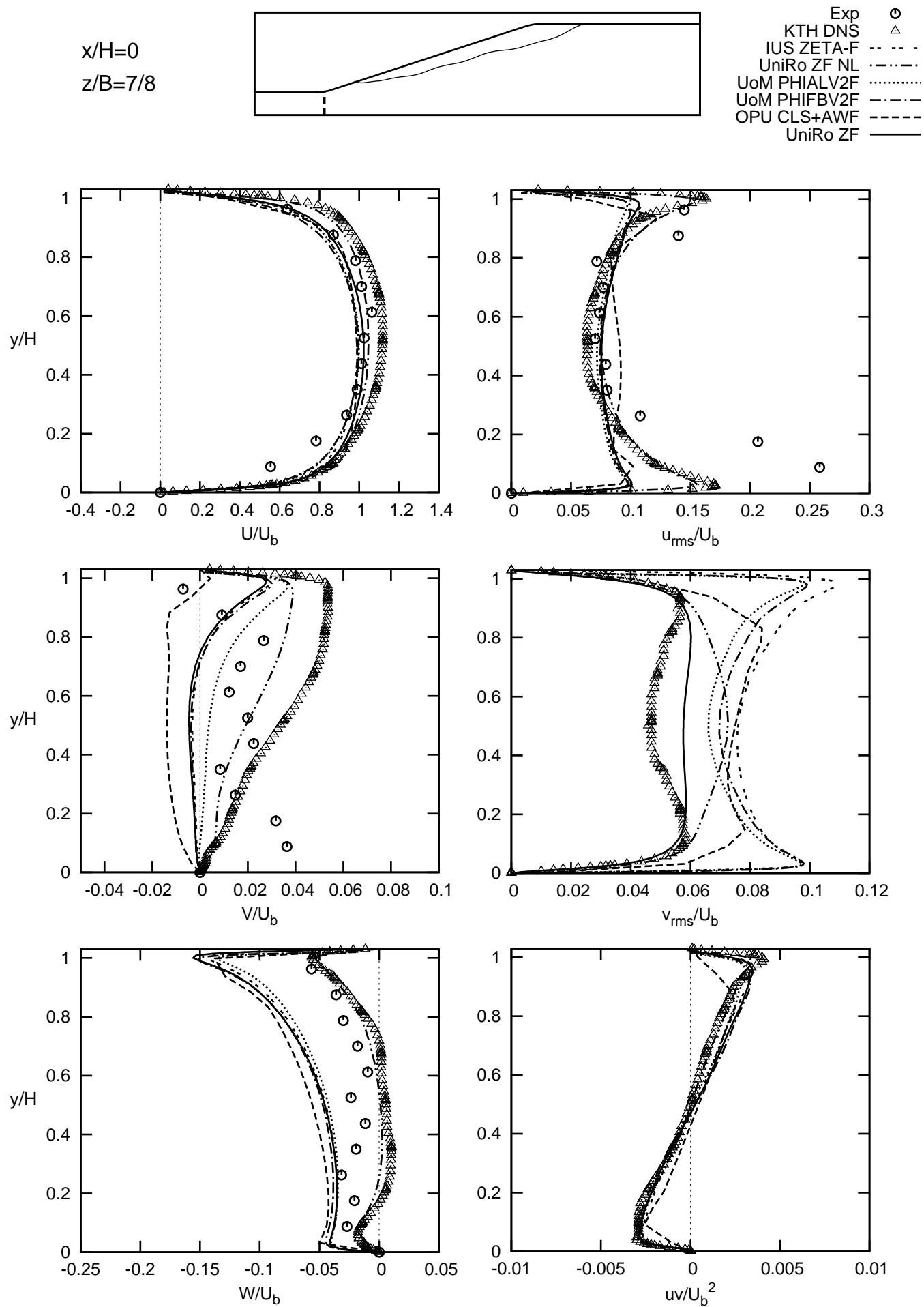
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



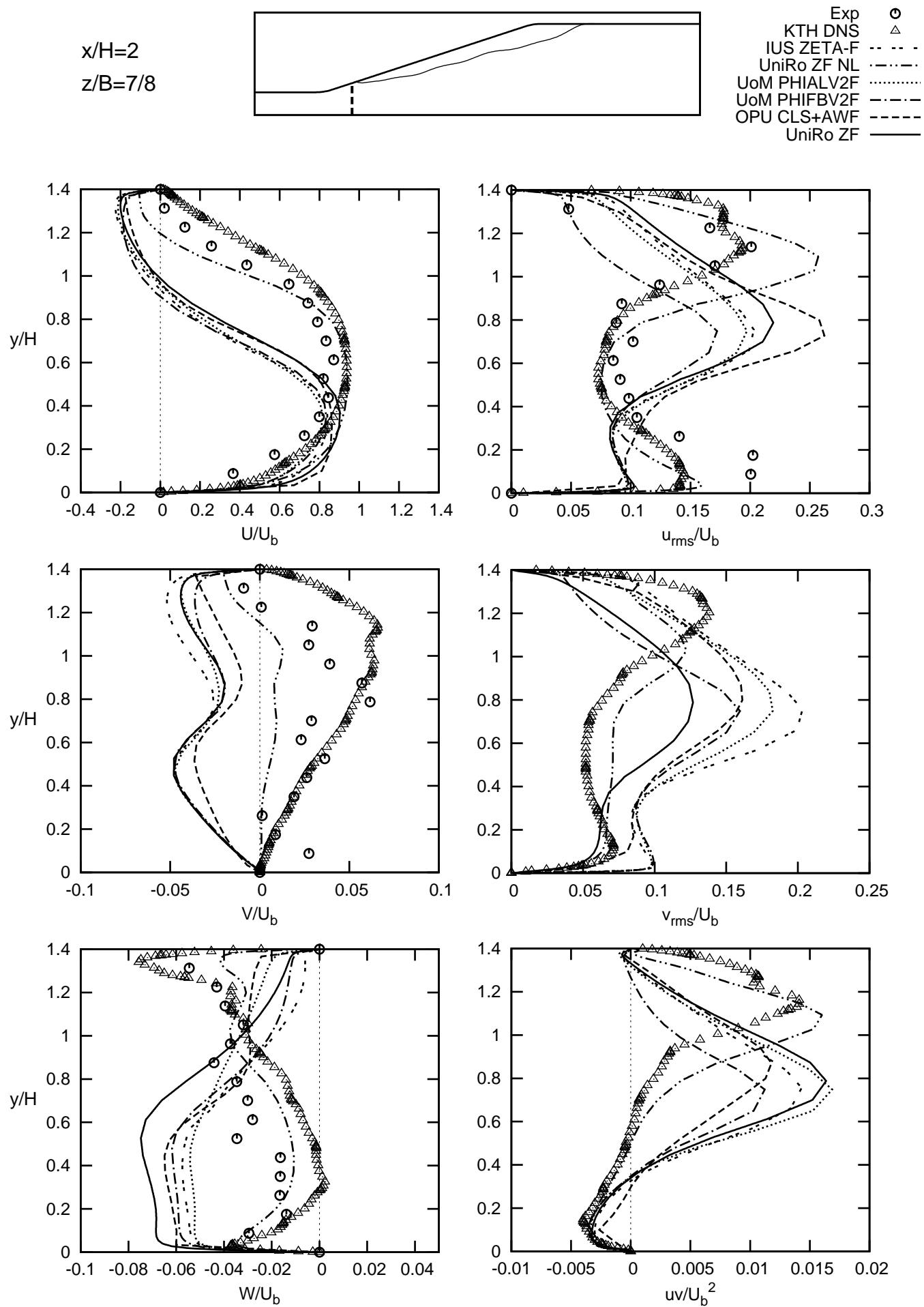
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



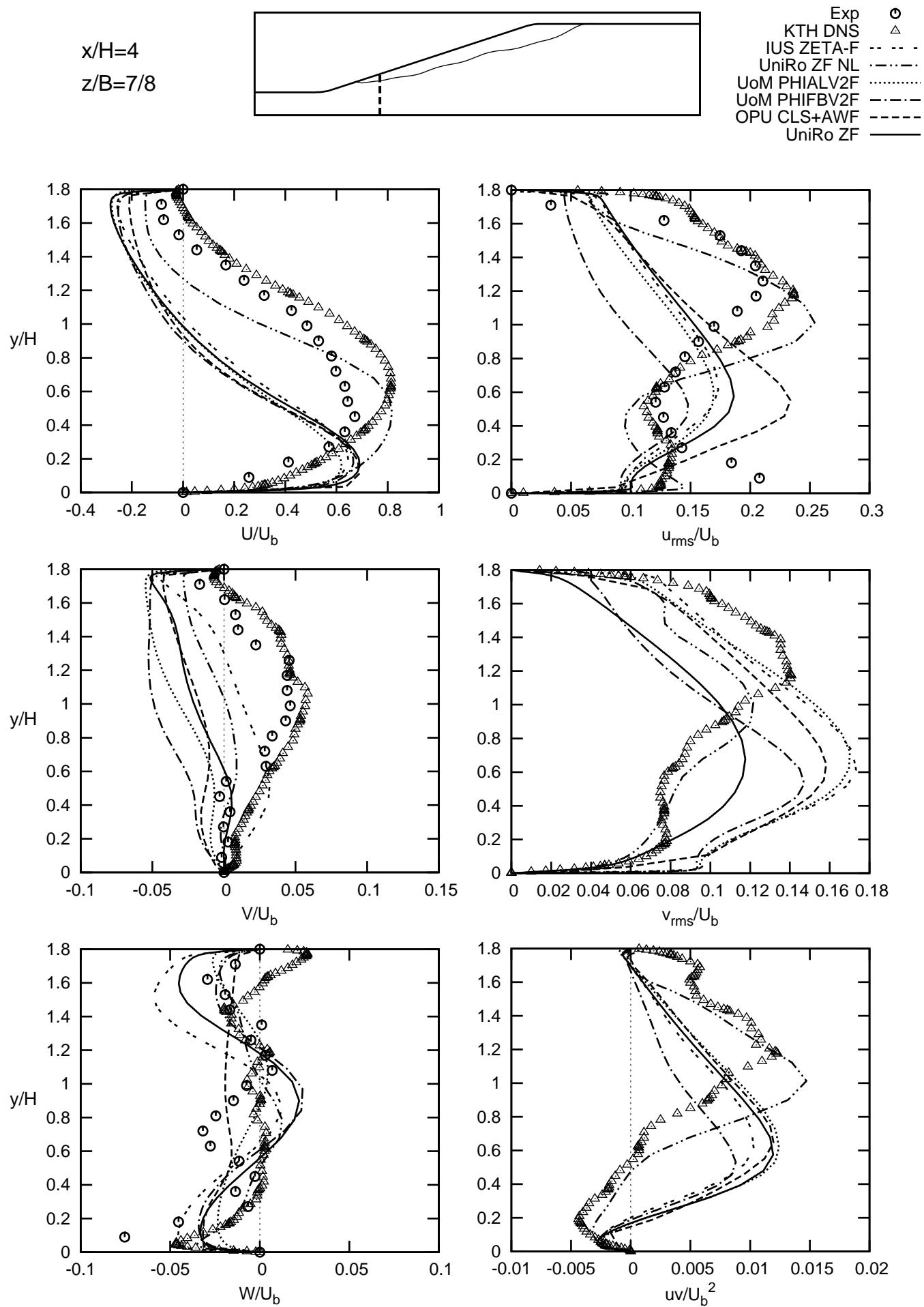
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



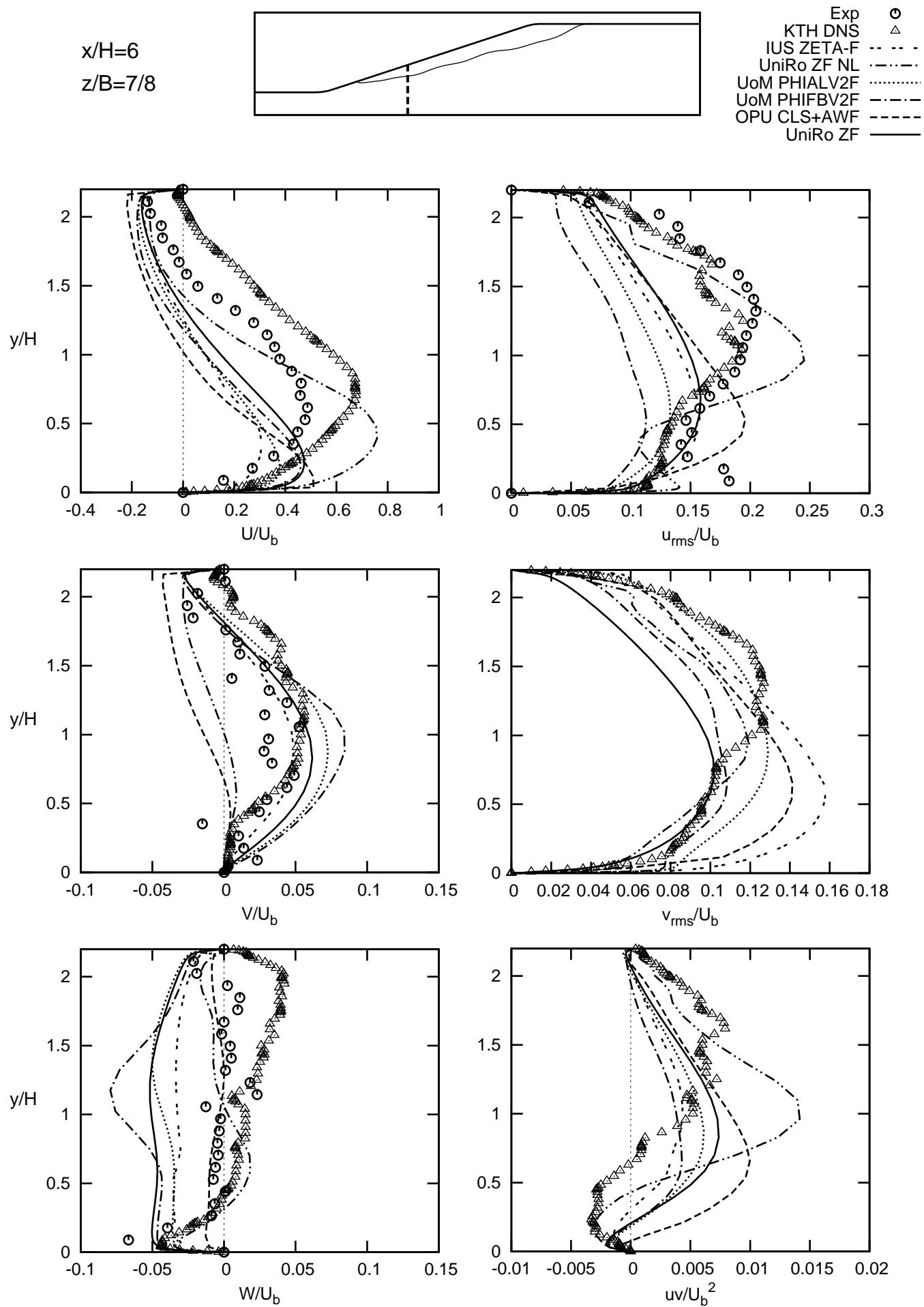
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



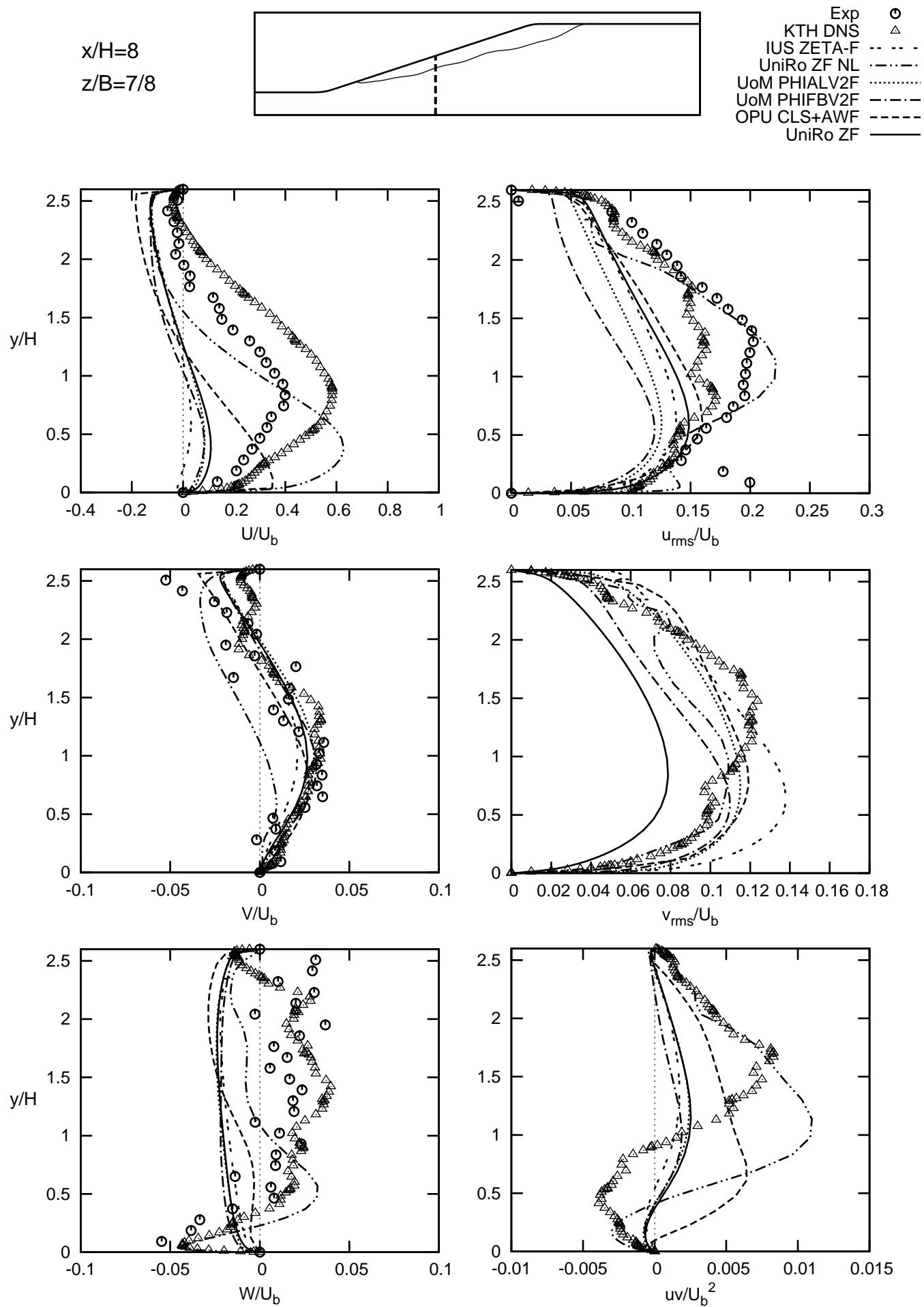
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



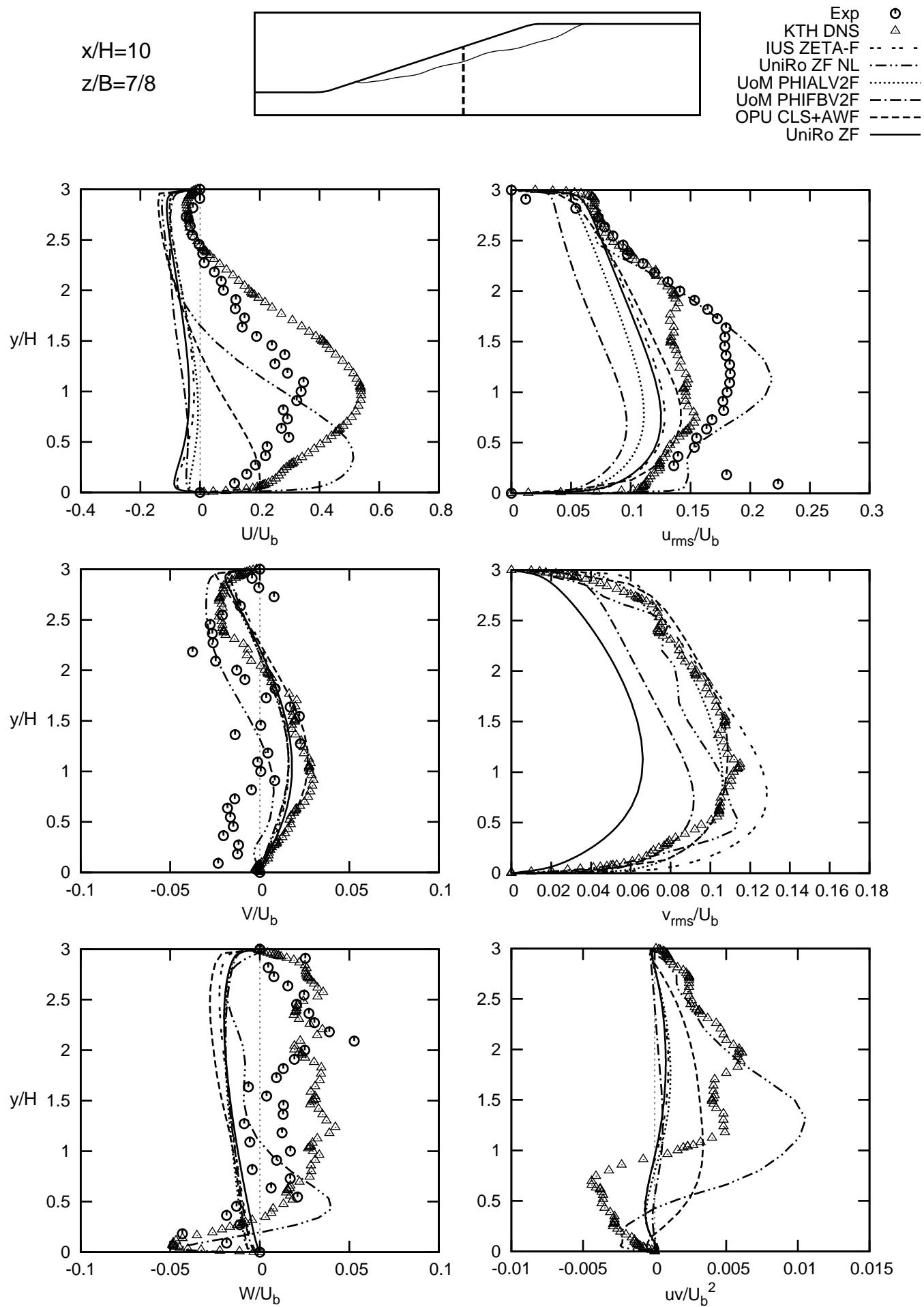
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



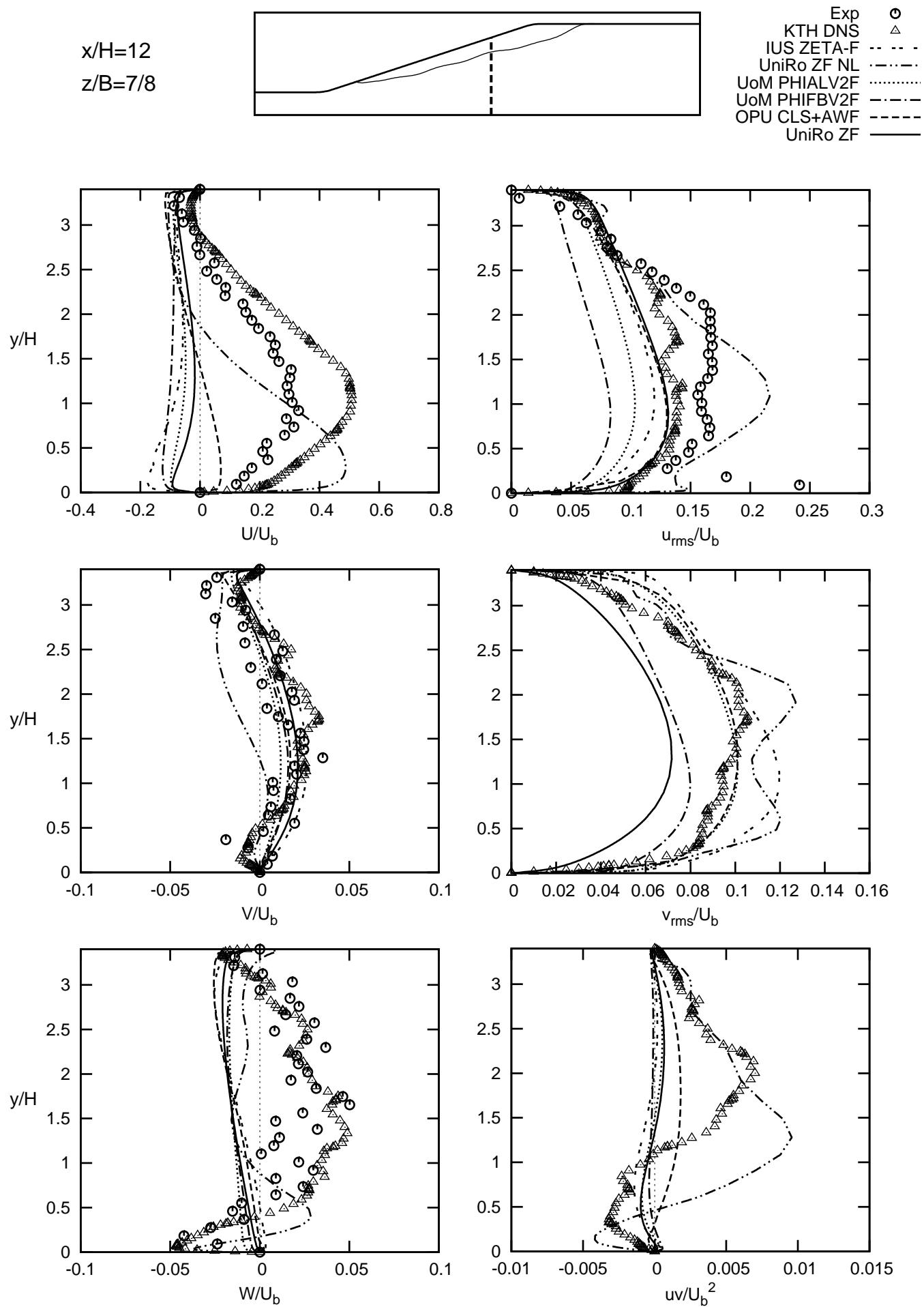
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



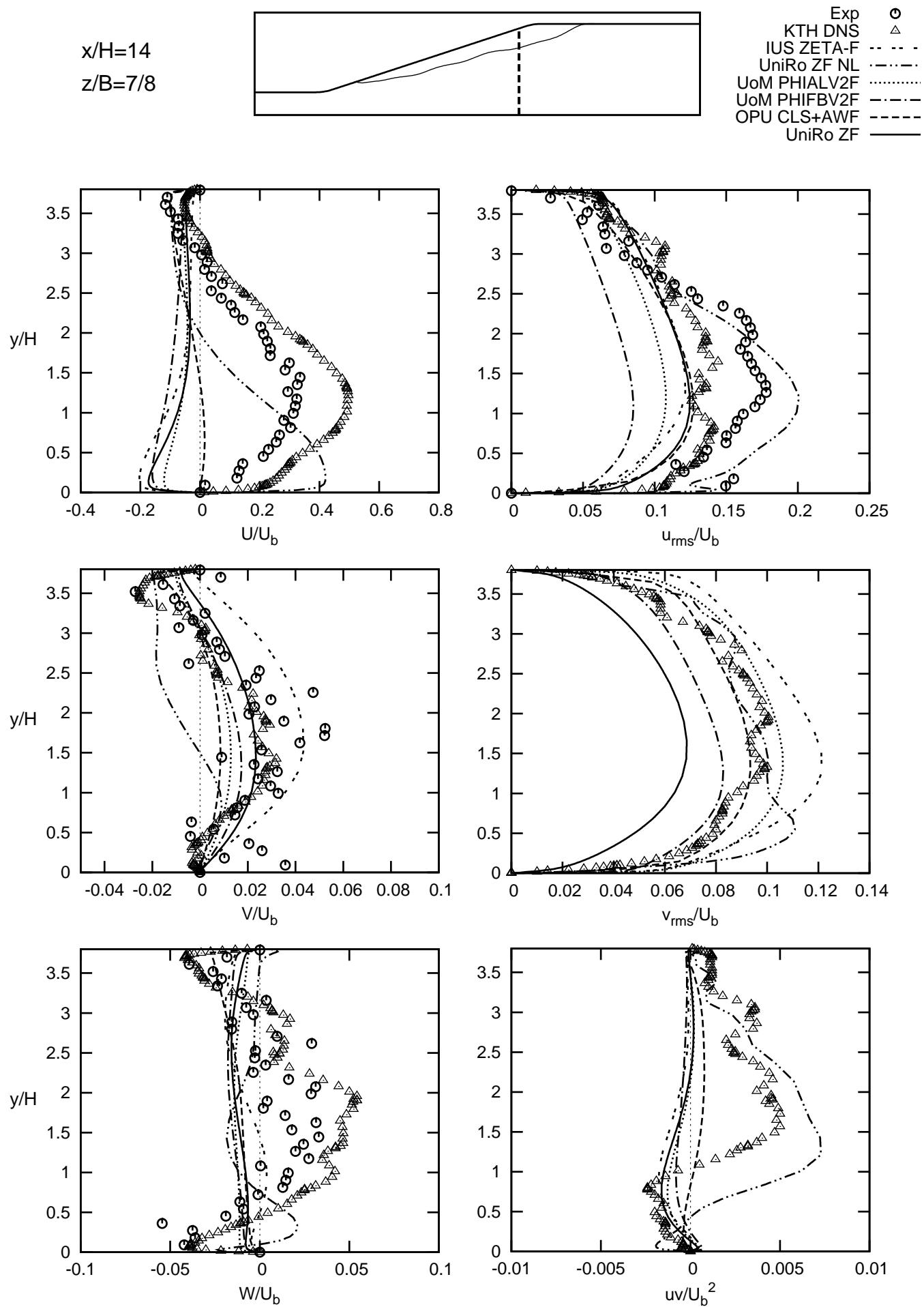
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



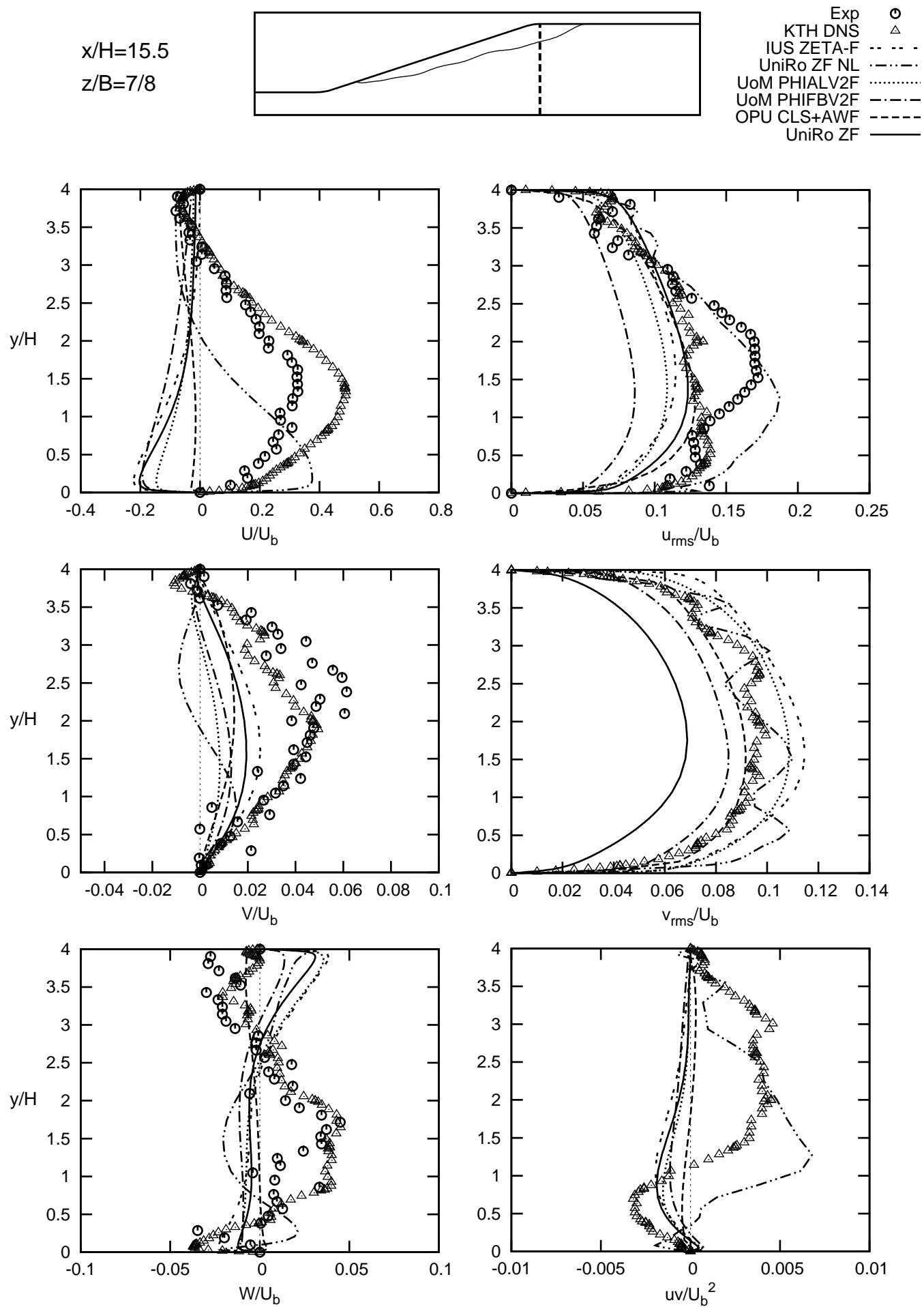
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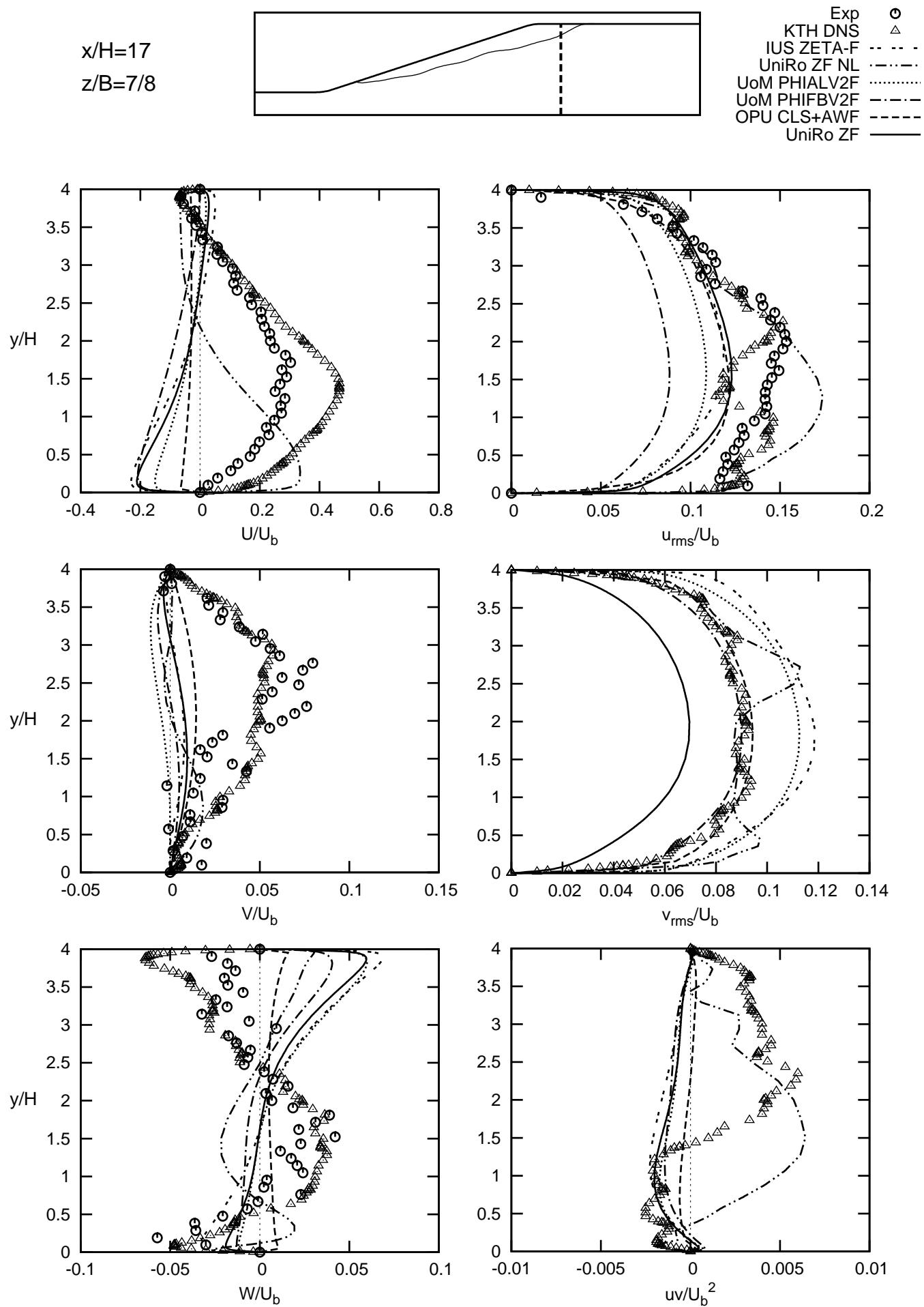
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



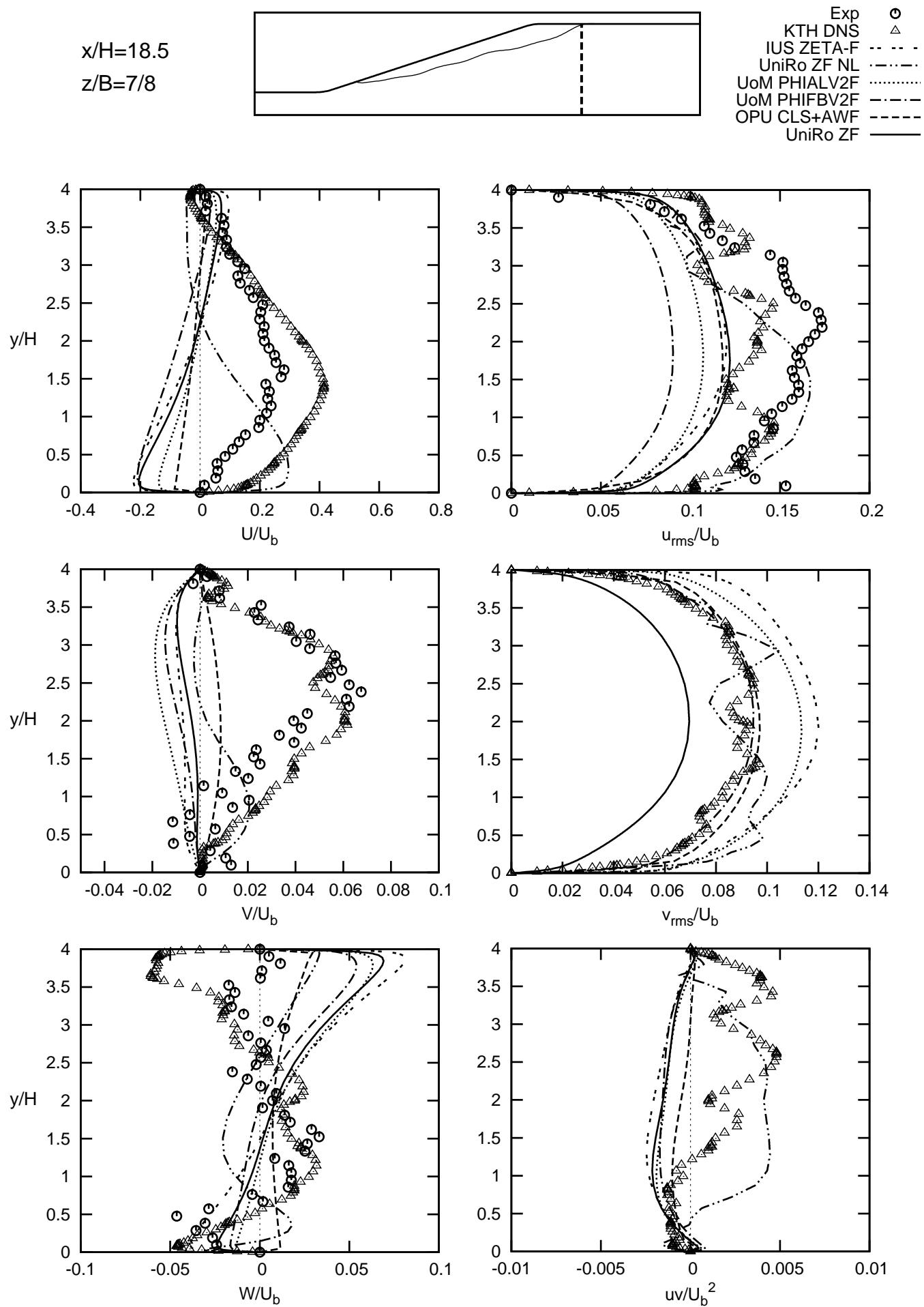
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



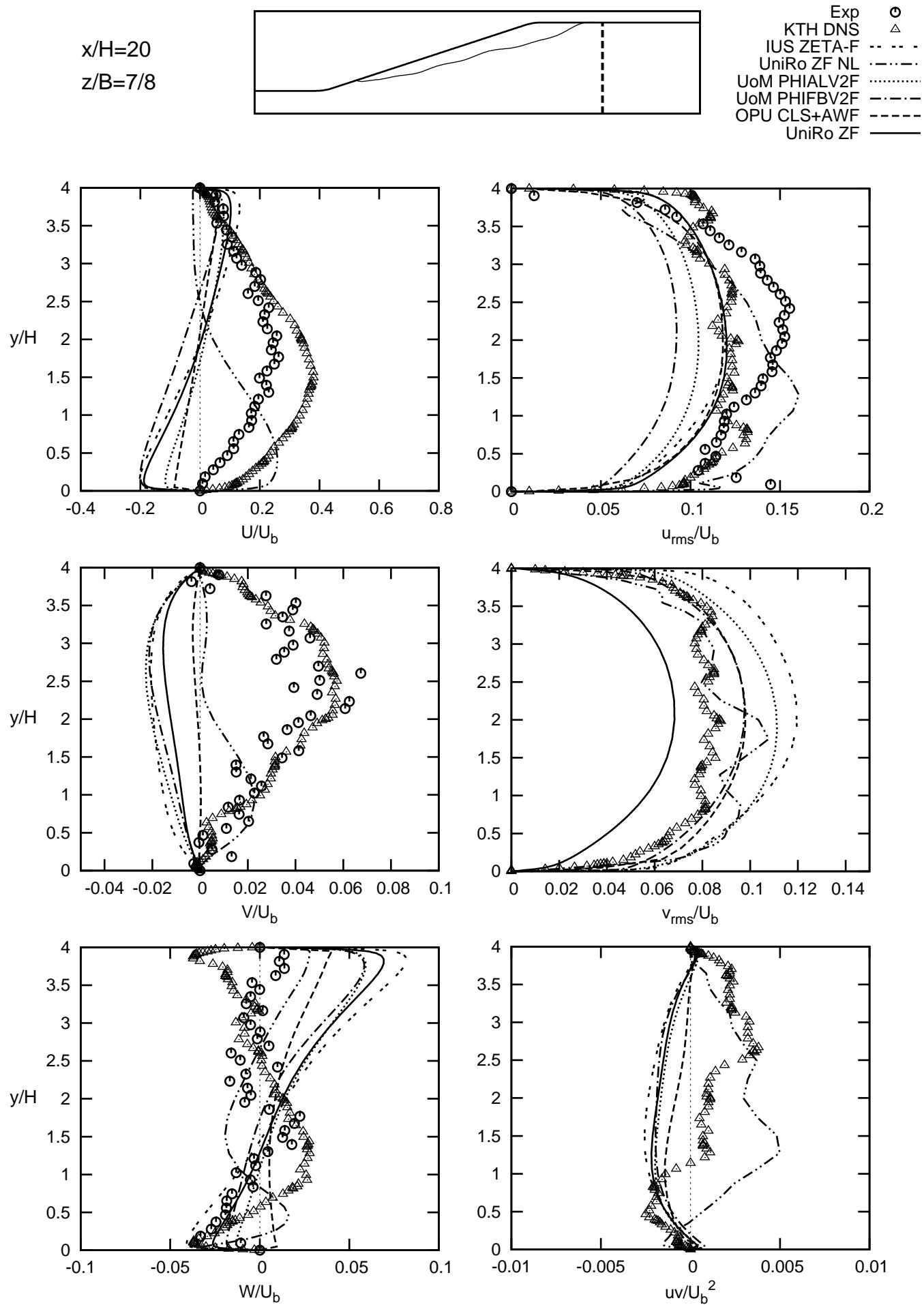
Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs



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Flow in 3-D diffuser 1: Nonlinear and ER-Based EVMs

