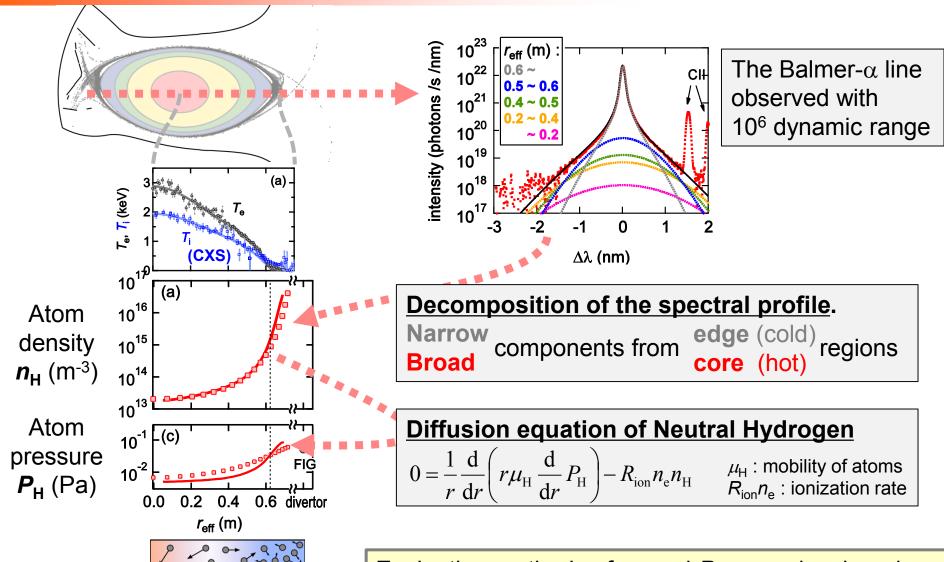
## Study of Neutral Hydrogen Transport in LHD Core Plasmas Based on High Dynamic-Range Balmer-α Spectroscopy

 $n_{\rm H}$ : low

K. Fujii (EX/P6-31)



Evaluation methods of  $n_{\rm H}$  and  $P_{\rm H}$  were developed. Large  $\nabla n_{\rm H}$  and small  $\nabla P_{\rm H}$  in the plasma are found. (similar to the ideal gas behavior with temperature gradient)