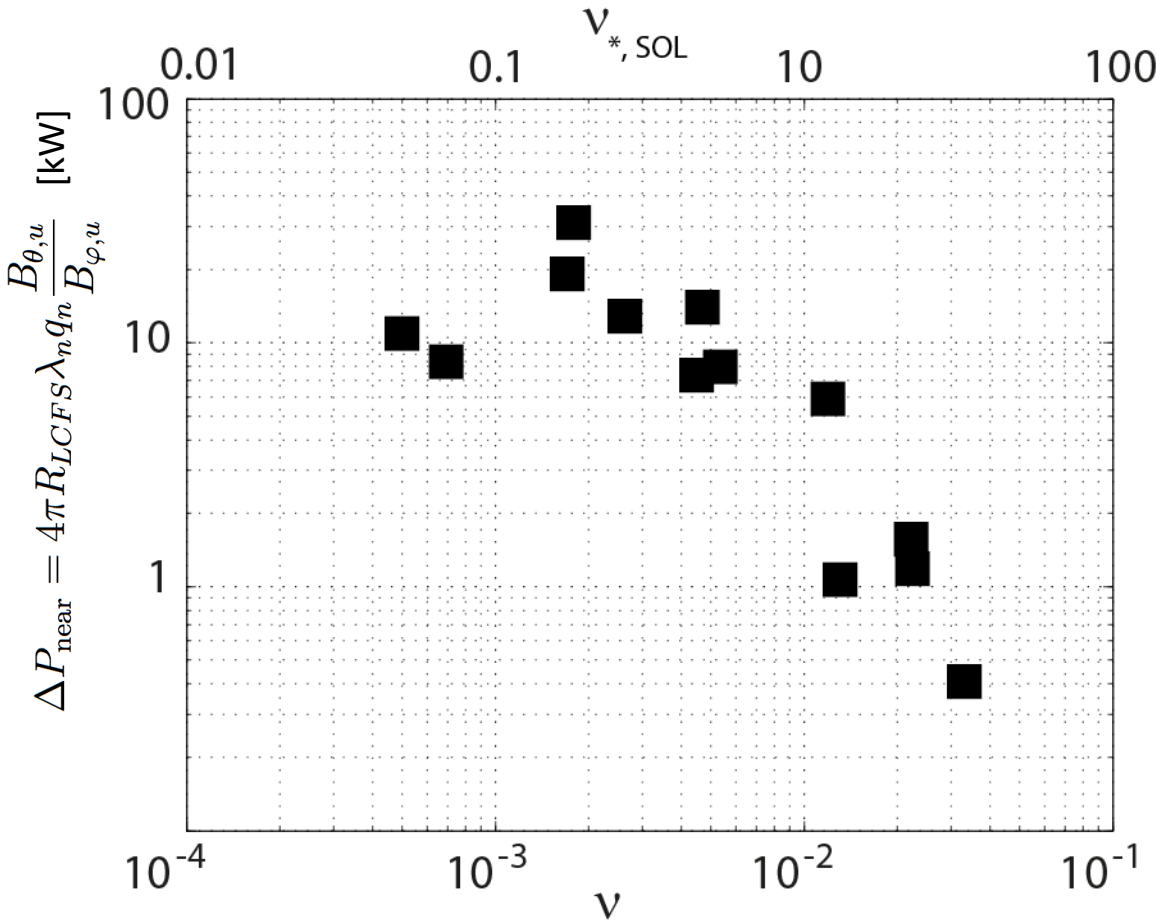


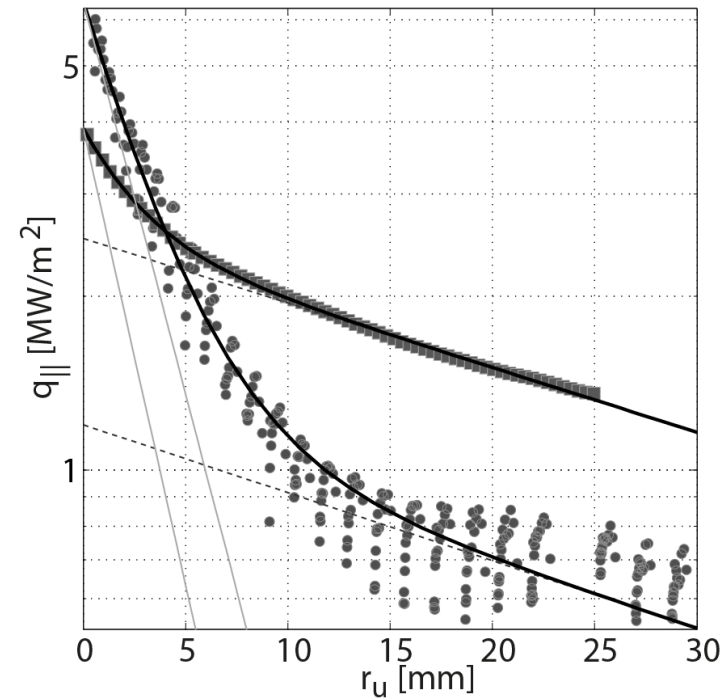
EX/P8-25: The physics of the heat flux narrow decay length in the TCV scrape-off layer: experiments and simulations



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Power to the near SOL as a function of normalized Spitzer collisionality: at large collisionality, steep gradients in the near SOL are suppressed: This corresponds to the transition from Sheath-Limited to Conduction-Limited: $\nu_{*,SOL} > 15$



Heat flux onto the inner limiter from GBS simulation (squares) and from IR thermography (circles); Decay lengths in agreement with experimental values but ΔP_{near} clearly underestimated.