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Type: **Oral Presentation**

The Physics of Exceptional Points

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A short resume about the nature of EPs followed by a discussion about their ubiquitous occurrence in a great variety of physical problems. EPs feature in quantum phase transition, quantum chaos, they produce dramatic effects in multichannel scattering, specific time dependence and more. In nuclear physics they are associated with instabilities and affect approximation schemes. EPs could be of interest for weakly bound states such as halos and nuclei along the drip line.

**Level (Hons, MSc,
 PhD, other)?**

Hons

**Consider for a student
 award (Yes / No)?**

no

**Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?**

yes

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Track Classification: Track G - Theoretical and Computational Physics