



Contribution ID: 438

Type: **Talk (preferred)**

Quantum to classical behavior of exciton-polarons

Wednesday 14 December 2022 14:30 (15 minutes)

We present our theoretical investigations on finite temperature exciton-polaritons in doped transition-metal dichalcogenides monolayers. We apply a virial expansion to the many-body Green's function, which allows for the exact calculation of the absorption spectrum and photoluminescence.

Author: MULKERIN, Brendan

Co-authors: Mr TIENE, Antonio (Universidad Autónoma de Madrid); Prof. MARCHETTI, Francesca (Universidad Autónoma de Madrid); LEVINSSEN, Jesper (Monash University); PARISH, Meera

Presenter: MULKERIN, Brendan

Session Classification: AIP: Condensed Matter, Materials and Surface Physics

Track Classification: AIP Congress: AIP: Condensed Matter, Materials and Surface Physics