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ABSTRACTS OF INVITED LECTURES AND PROGRAMME

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## **SUPER-MASSIVE BINARY BLACK HOLES AND POLARIZATION IN LINE**

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A considerable number of active galactic nuclei (AGNs) show complex broad lines, most notably with double peaks, highly shifted to the blue or red, and with a strong asymmetry. Some of these AGNs are established as super-massive binary black hole (SMBBH) candidates. Here we explore the polarization characteristics across broad emission Lines as well as continuum polarization images for the case where AGN hosts a SMBBH. We used the 3D Monte Carlo radiative transfer code STOKES Goosmann & Gaskell (2007), Marin et al. (2012,2015) to investigate polarized broad line emission. We conducted models for a wide range of system parameters.