Contribution ID: **311** Type: **Poster Presentation**

Intervalley and Intravalley Scattering in Diamond Structure, Si and Ge

Wednesday, 13 July 2011 17:00 (2 hours)

<p>Optical selection rules for the intervalley scattering for direct and indirect transitions are investigated. The non-zero matrix elements of the scattering tensors are derived by the method of vector coupling coefficients. These coefficients are needed for the understanding of Gunn effect.

Level (Hons, MSc,
   PhD, other)?

MSc

Consider for a student
   award (Yes / No)?

Yes

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

Yes

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