1124-35-308   **Dean Baskin***, Department of Mathematics, Texas A&M University, Mailstop 3368, College Station, TX 77843. *Asymptotics of the radiation field.*

In this talk I will describe work (with Andras Vasy and Jared Wunsch) characterizing the asymptotic behavior of the radiation field on asymptotically Minkowski spaces. The result captures the long-time behavior of the wave equation in terms of the resonances on an associated asymptotically hyperbolic space (which can be thought of as a limit of the foliation of the interior of the light cone by CMC spacelike hypersurfaces). If time permits, I will describe how one can use the work of Cheeger–Taylor to obtain a similar result on cones (joint with Jeremy Marzuola). (Received September 12, 2016)