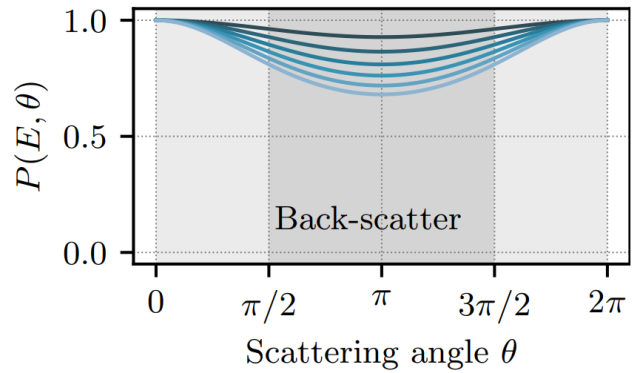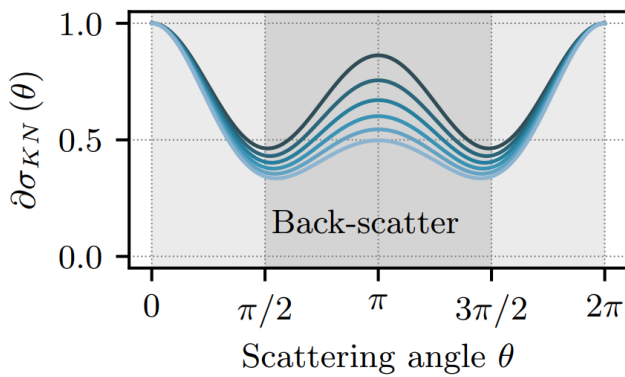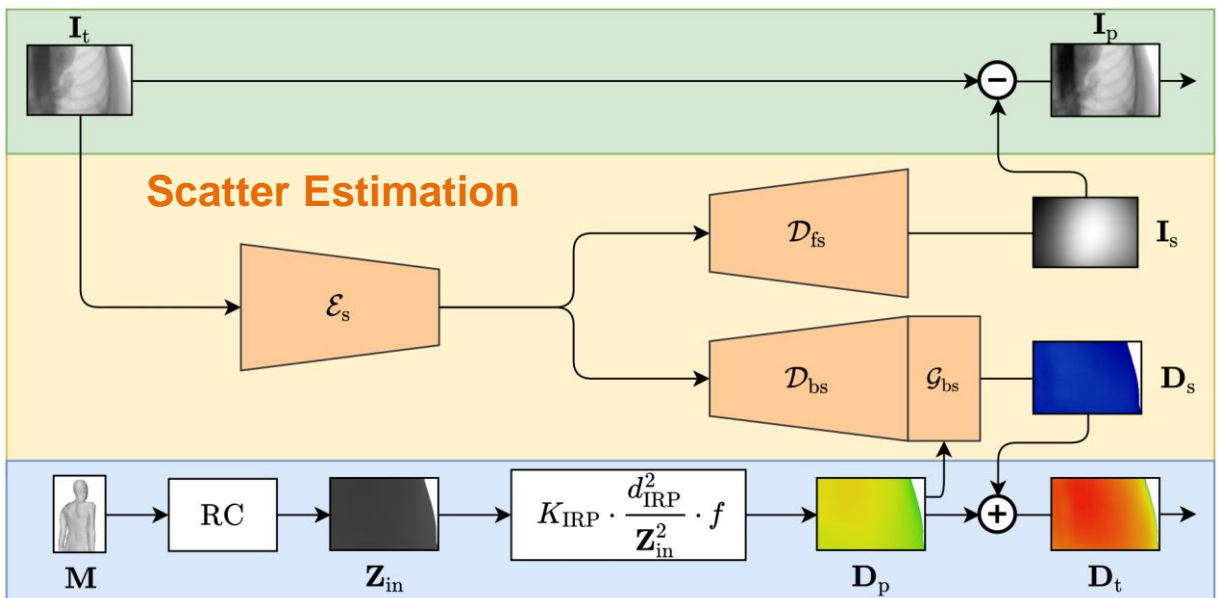# Simultaneous Estimation of X-ray Back-Scatter and Forward-Scatter using Multi-Task Learning

P. Roser, X. Zhong, A. Birkhold, A. Preuhs, C. Syben, E. Hoppe, N. Strobel, M. Kowarschik, R. Fahrig, and A. Maier

Exploit functional relationship

Image Formation

Scatter Estimation

Skin Dose Monitoring

First approach to learn back-scatter estimation

Multi-task learning increases performance