**ROC** Curve for Full Light Curve 1.0 8.0 False Positive Rate SNIa (0.98) SNIa-91bg (1.0) SNIax (0.98) SNIb (0.96) SNIc (0.98) SNIc-BL (0.96) SNII (0.99) SNIIn (0.99) 0.2 SNIIb (0.98) TDE (1.0) SLSN-I (1.0) AGN (1.0) 0.0 0.2 8.0 0.0 0.4 0.6 1.0 True Positive Rate