

Fig. 1. Photograph of a $0.6 \mu\text{g}/\text{cm}^2$ STOP foil with an effective diameter of 70 mm for the novel TOF-ERDA spectrometer. The ultra-thin foil is supported by a copper mesh with 90% transmission.

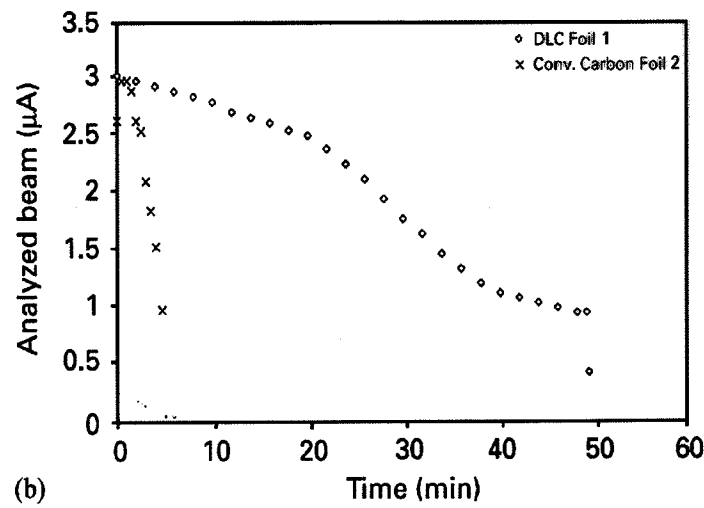
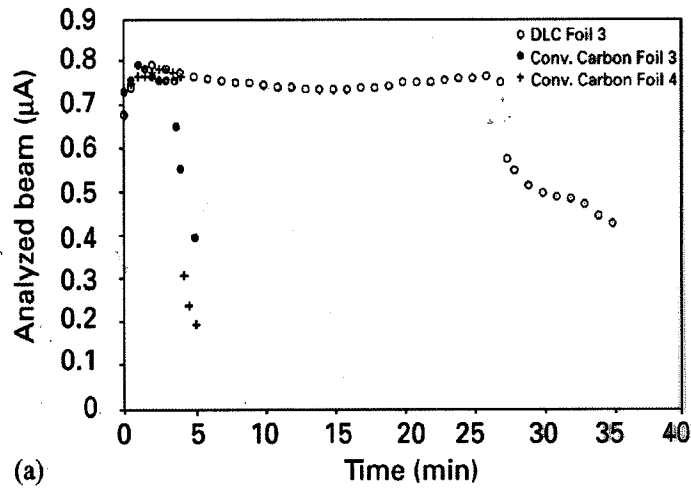


Fig. 2. Ion transmission plots obtained with DLC foils and conventional carbon stripper foils when irradiated with a $2.8 \text{ MeV } ^{80}\text{Se}^-$ ion beam: (a) beam intensity, $0.3 \mu\text{A}$; (b) beam intensity, $1.5 \mu\text{A}$.