



Fig. 5. (a) The Mark I detector with the muon tower; (b) one of the first  $e\mu$  events using the muon tower. The  $\mu$  moves upward through the muon detector tower and the  $e$  moves downward. The numbers 13 and 113 give the relative amounts of electromagnetic shower energy deposited by the  $\mu$  and  $e$ . The six square dots show the positions of longitudinal support posts of the magnetostrictive spark chamber used for tracking.