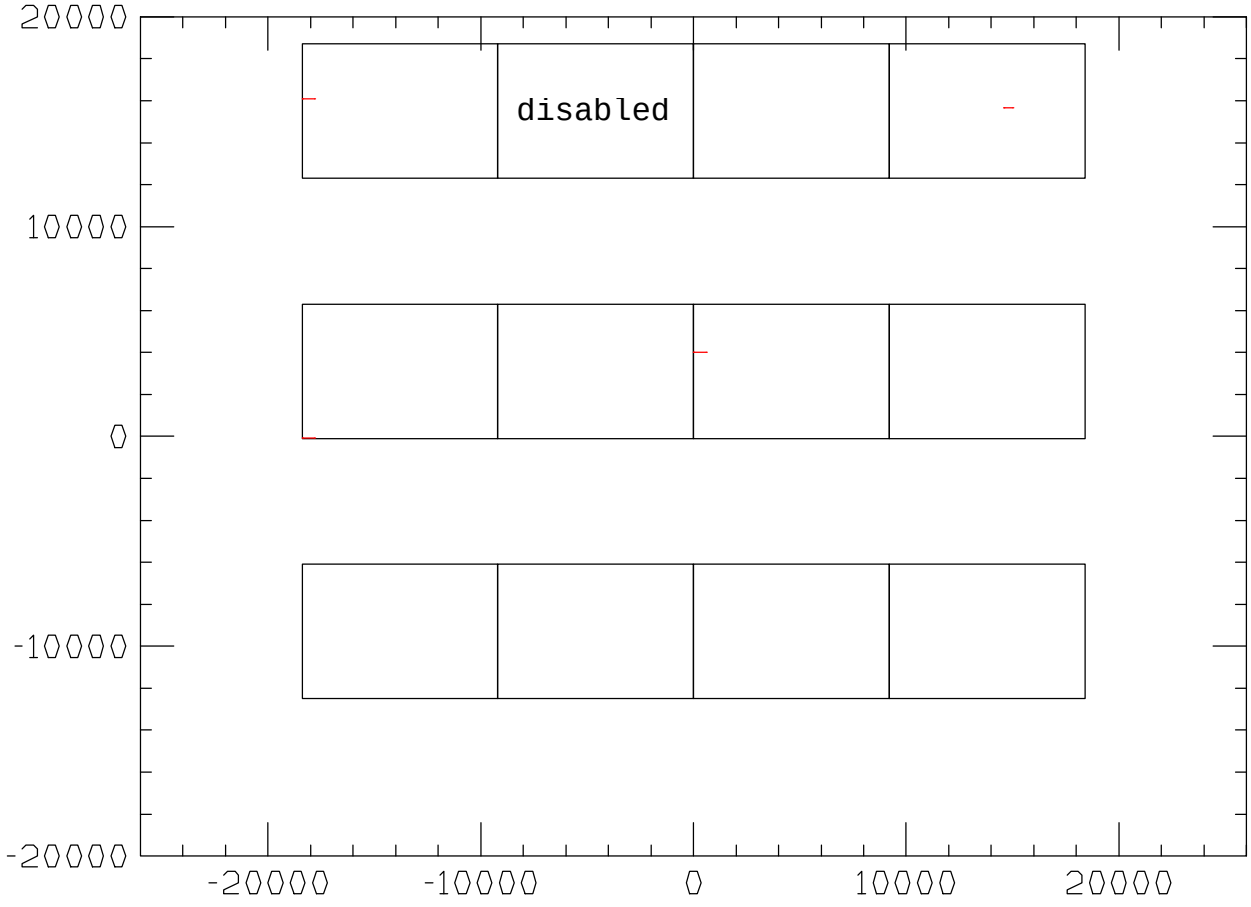TPG 5 (inverted)