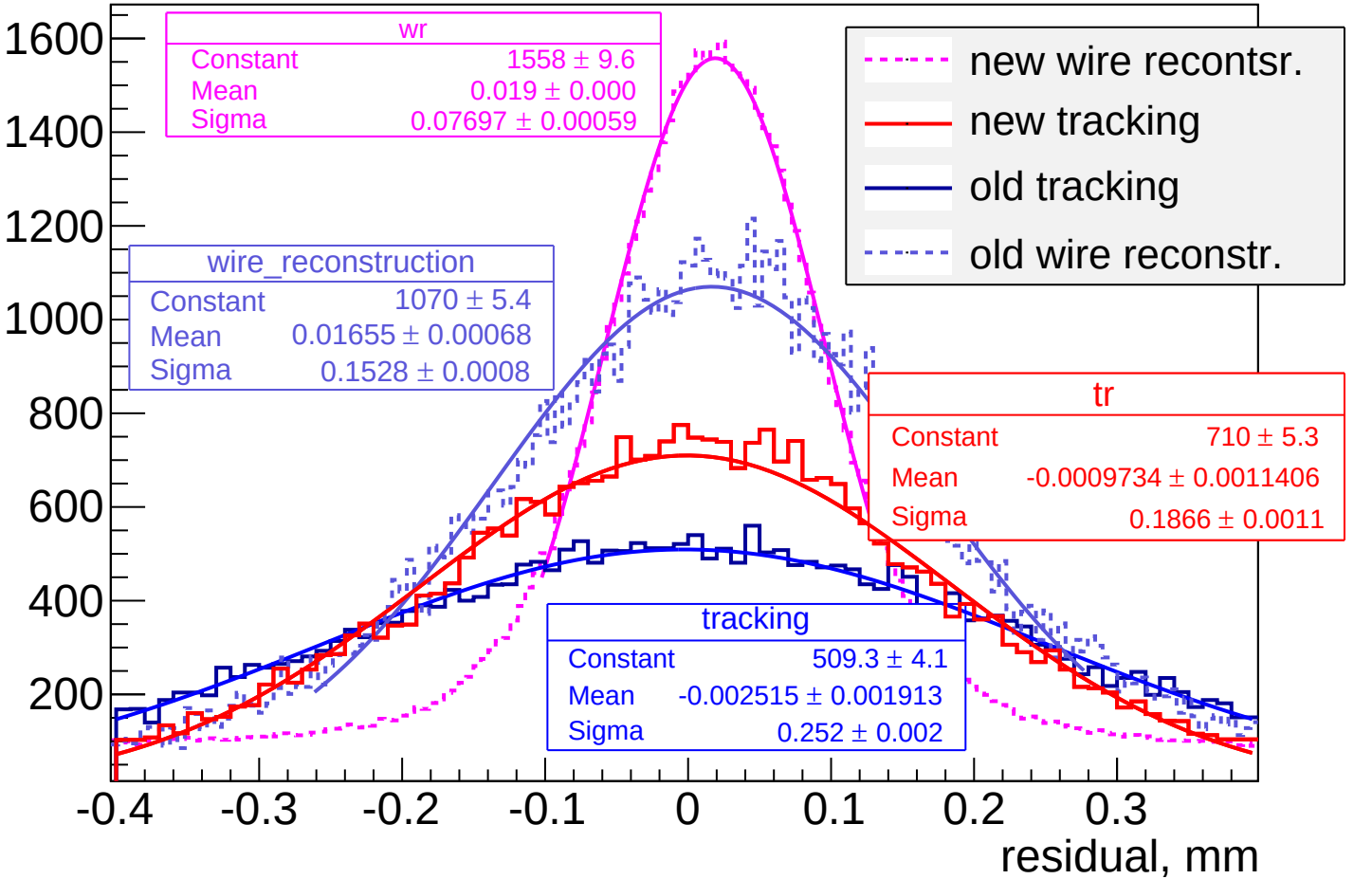Cathode Resolution