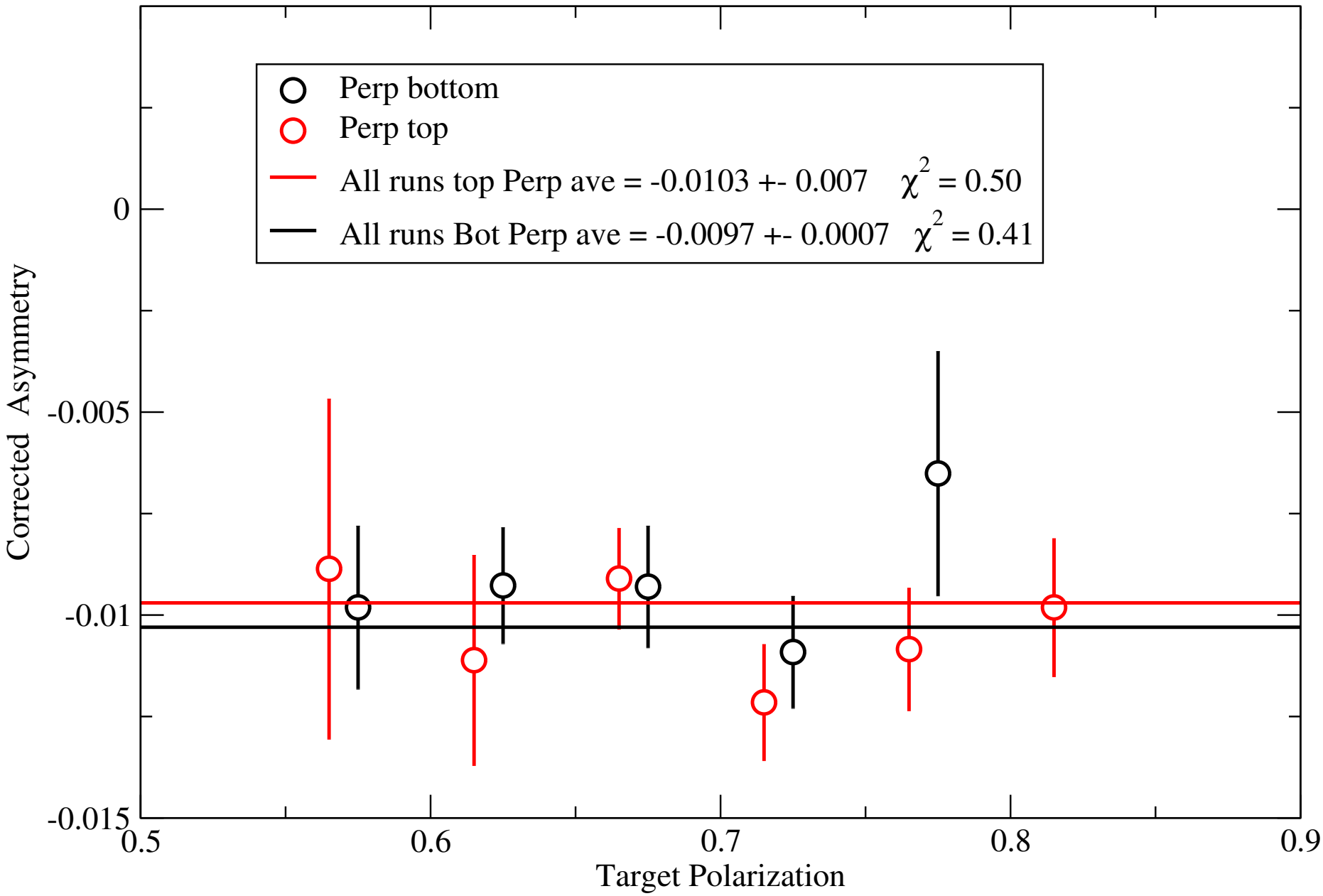4.723 central momentum