

M_{T2} -assisted (MAOS) spin determination

$$pp \rightarrow Y(1) + \bar{Y}(2) \rightarrow V(p_-)\chi(k_1) + V(p_2)\chi(k_2), \quad Y \rightarrow q(p_q)\bar{q}(p_{\bar{q}})\chi(k).$$

Use splitting for which leads to M_{T2} solution to assign 4-momenta to invisible particles:

