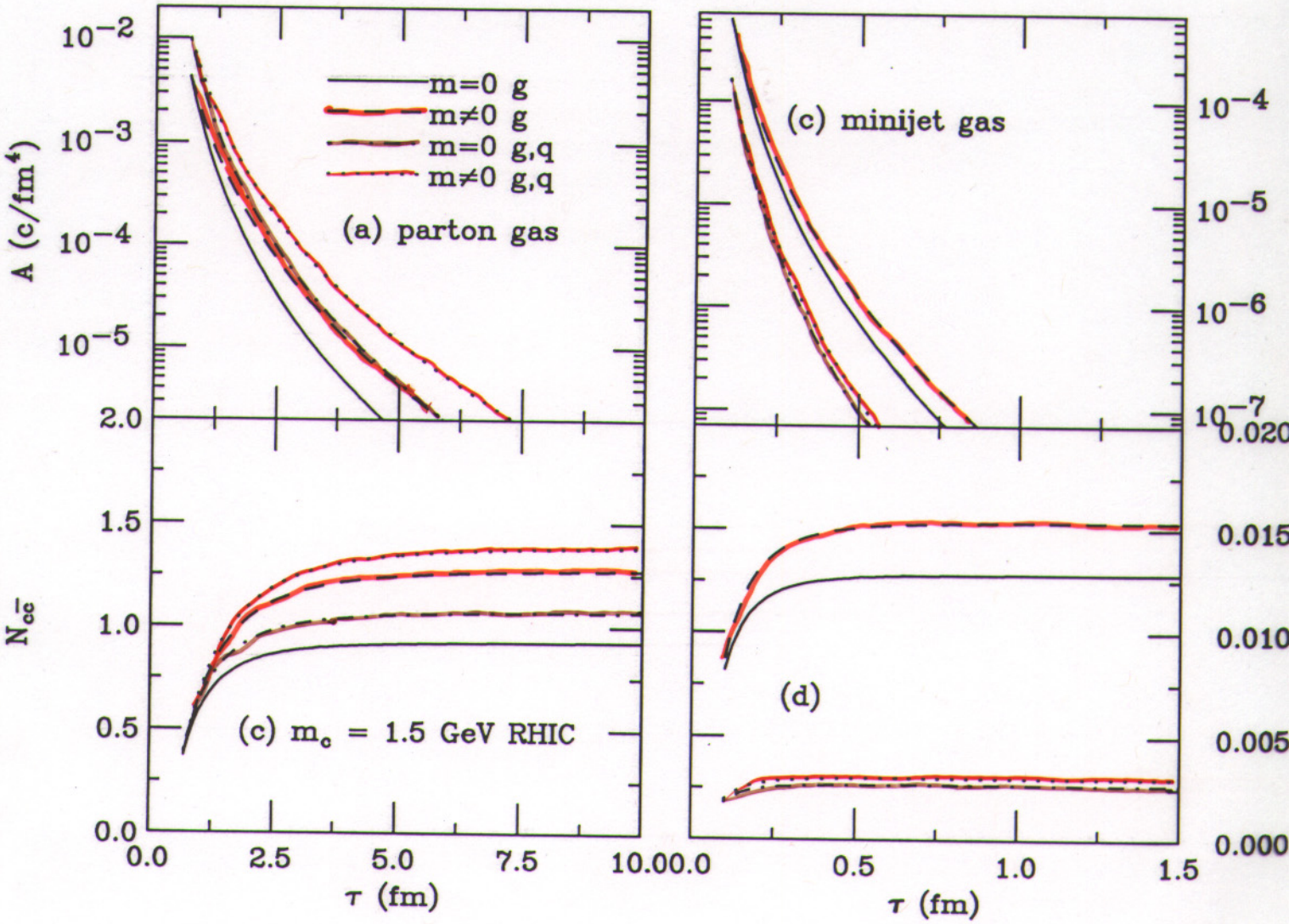Rate vs. Time and Number vs. Time
$m_c = 1.5$ GeV