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where ca nc 3 is the color factor

associated with gluon emission from

a gluon ta abt b ab tr?ab where tr 1

2 is the color factor for a gluon to

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although this text concerns primarily the strong interactions some working knowledge of the current electroweak theory going usually under the name standard model sm is necessary''***quantum chromodynamics by walter greiner***

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must be obtained by bining the

individual charges of the

theoretic rules analogous to those for bining angular momenta in quantum mechanics the quarks have three basic color charge states which can be labeled as i 1 2 3 or red green''***quantum Chromodynamics Problems The Physics Hypertextbook***

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