

## Longitudinal operators

$[(D_\mu \Phi)^\dagger D_\nu \Phi] [(D^\mu \Phi)^\dagger D^\nu \Phi]$	$f_{S,0}$
$[(D_\mu \Phi)^\dagger D^\mu \Phi] [(D_\nu \Phi)^\dagger D^\nu \Phi]$	$f_{S,1}$
$[(D_\mu \Phi)^\dagger D_\nu \Phi] [(D^\nu \Phi)^\dagger D^\mu \Phi]$	$f_{S,2}$

## Transverse operators

$\text{Tr}[\hat{W}_{\mu\nu} \hat{W}^{\mu\nu}] \text{Tr}[\hat{W}_{\alpha\beta} \hat{W}^{\alpha\beta}]$	$f_{T,0}$
$\text{Tr}[\hat{W}_{\alpha\nu} \hat{W}^{\mu\beta}] \text{Tr}[\hat{W}_{\mu\beta} \hat{W}^{\alpha\nu}]$	$f_{T,1}$
$\text{Tr}[\hat{W}_{\alpha\mu} \hat{W}^{\mu\beta}] \text{Tr}[\hat{W}_{\beta\nu} \hat{W}^{\nu\alpha}]$	$f_{T,2}$
$\text{Tr}[\hat{W}_{\mu\nu} \hat{W}_{\alpha\beta}] \text{Tr}[\hat{W}^{\alpha\nu} \hat{W}^{\mu\beta}]$	$f_{T,3}$
$\text{Tr}[\hat{W}_{\mu\nu} \hat{W}_{\alpha\beta}] \mathbf{B}^{\alpha\nu} \mathbf{B}^{\mu\beta}$	$f_{T,4}$
$\text{Tr}[\hat{W}_{\mu\nu} \hat{W}^{\mu\nu}] \mathbf{B}_{\alpha\beta} \mathbf{B}^{\alpha\beta}$	$f_{T,5}$
$\text{Tr}[\hat{W}_{\alpha\nu} \hat{W}^{\mu\beta}] \mathbf{B}_{\mu\beta} \mathbf{B}^{\alpha\nu}$	$f_{T,6}$
$\text{Tr}[\hat{W}_{\alpha\mu} \hat{W}^{\mu\beta}] \mathbf{B}_{\beta\nu} \mathbf{B}^{\nu\alpha}$	$f_{T,7}$
$\mathbf{B}_{\mu\nu} \mathbf{B}^{\mu\nu} \mathbf{B}_{\alpha\beta} \mathbf{B}^{\alpha\beta}$	$f_{T,8}$
$\mathbf{B}_{\alpha\mu} \mathbf{B}^{\mu\beta} \mathbf{B}_{\beta\nu} \mathbf{B}^{\nu\alpha}$	$f_{T,9}$

## Mixed operators

$\text{Tr}[\hat{W}_{\mu\nu} \hat{W}^{\mu\nu}] [(D_\beta \Phi)^\dagger D^{\beta\nu} \Phi]$	$f_{M,0}$
$\text{Tr}[\hat{W}_{\mu\nu} \hat{W}^{\nu\beta}] [(D_\beta \Phi)^\dagger D^\mu \Phi]$	$f_{M,1}$
$[\mathbf{B}_{\mu\nu} \mathbf{B}^{\mu\nu}] [(D_\beta \Phi)^\dagger D^{\beta\nu} \Phi]$	$f_{M,2}$
$[\mathbf{B}_{\mu\nu} \mathbf{B}^{\nu\beta}] [(D_\beta \Phi)^\dagger D^\mu \Phi]$	$f_{M,3}$
$[(D_\mu \Phi)^\dagger \hat{W}_{\beta\nu} D^\mu \Phi] \mathbf{B}^{\beta\nu}$	$f_{M,4}$
$[(D_\mu \Phi)^\dagger \hat{W}_{\beta\nu} D^\nu \Phi] \mathbf{B}^{\beta\mu} + \text{H.c.}$	$f_{M,5}$
$[(D_\mu \Phi)^\dagger \hat{W}_{\beta\nu} \hat{W}^{\beta\mu} D^\nu \Phi]$	$f_{M,7}$