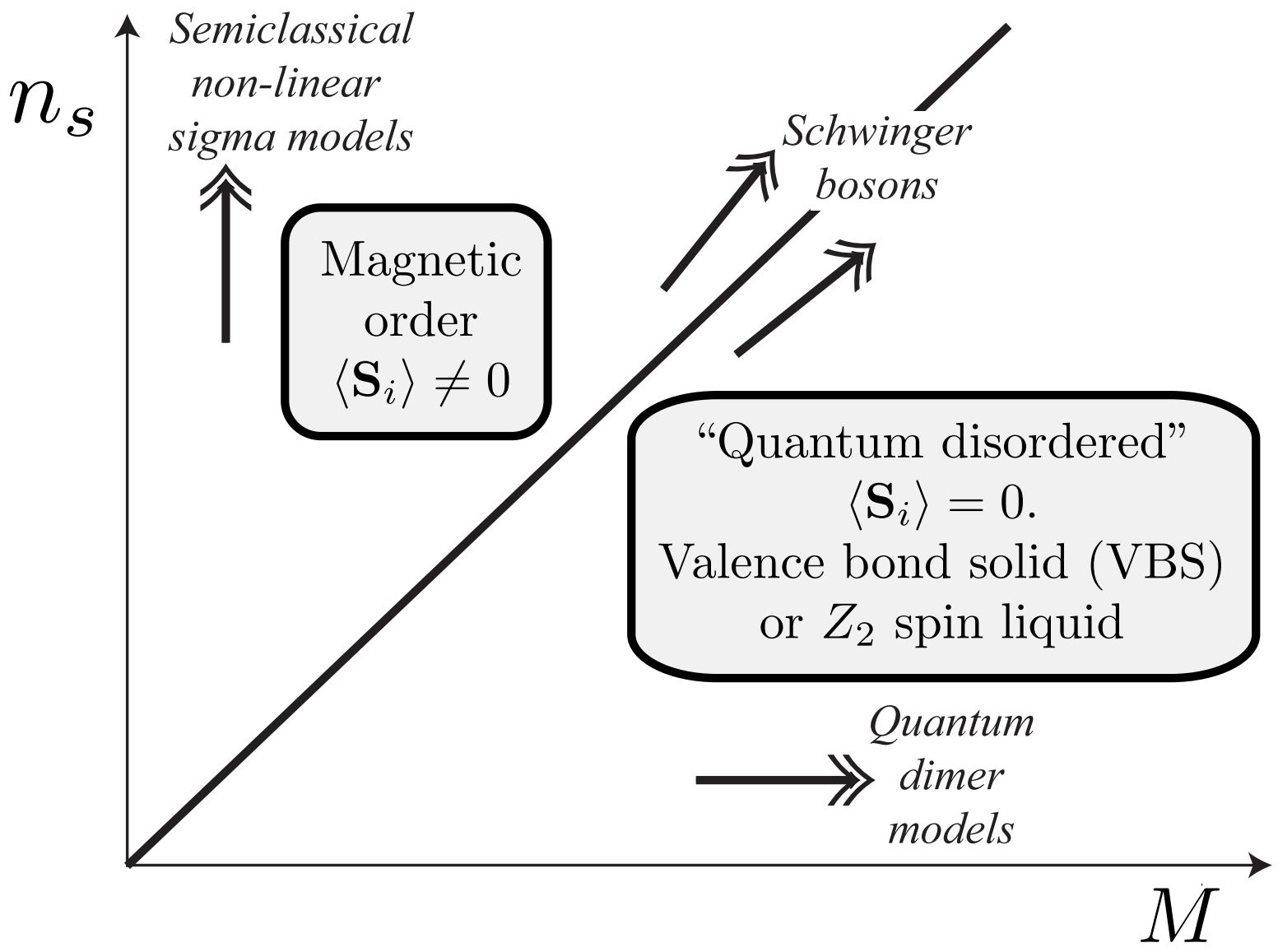
n_s
Semiclassical
non-linear
sigma models
Schwinger
bosons
Magnetic
order
$\langle \mathbf{S}_i \rangle \neq 0$
"Quantum disordered"
$\langle \mathbf{S}_i \rangle = 0.$
Valence bond solid (VBS)
or Z_2 spin liquid
Quantum
dimer
models
M