CLI Plugins: Main function

```python
def pathsampling_main(output_storage, scheme, init_conds, n_steps):
    import openpathsampling as paths
    init_conds = scheme.initial_conditions_from_trajectories(init_conds)
    simulation = paths.PathSampling(
        storage=output_storage,
        move_scheme=scheme,
        sample_set=init_conds
    )
    simulation.run(n_steps)
    if output_storage:
        output_storage.tags['final_conditions'] = simulation.sample_set
    return simulation.sample_set, simulation
```

CLI Plugins: Registering

```
PLUGIN = OPSCommandPlugin(
    command=pathsampling,
    section="Simulation",
    requires_ops=(1, 0),
    requires_cli=(0, 3)
)
```

These slides were the whole plugin:
46 lines including blanks/comments!

File-based registration

• File in `~/.openpathsampling/cli_plugins/`
• Easy: quick distribution, good for sharing within your group

Namespace plugin registration

• Namespace package in the `paths_cli_plugins` namespace
• Better for projects that need long-term maintenance (versioning, etc.)